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PART V

RÉSEAU MONDIAL, 1921

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE

Published by the Authority of the Meteorological Committee.

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RÉSEAU MONDIAL, 1921.

PREFACE.

The Réseau Mondial is published under the auspices of the International Meteorological Committee, which has appointed a Commission, the International Commission for the Réseau Mondial, to foster the enterprise. An account of its early history is given in the preface to the volume for **1914**. The publication of the data commenced in **1917** with the annual volume for **1911**, and during the four following years the volumes for **1912**, **1913**, **1910** and **1914** were issued, in that order. Since the appearance of the volume for **1914**, meetings of the Commission have taken place in connexion with the meetings of the International Meteorological Committee held in London in September, **1921**, and in Zürich in September, **1926**. At the meeting in London the Commission approved the general form in which the results had been published, and adopted a resolution, subsequently endorsed by the Committee, requesting that the publication of similar data for ensuing years might be continued. In compliance with that request, seven additional volumes have been issued.

The present volume, the twelfth of the series, is the first in which it has been possible to give effect to a wish, also voiced at the meeting held in London, for the inclusion of data from the oceans as well as from land stations. The information is confined to two five-degree "squares" in the Atlantic Ocean, viz. **53°—48° N, 20°—15° W.**, and **50°—45° N., 35°—30° W.**, but it will be extended in the volume for **1922** to include several additional squares. The data have been supplied by ships reporting to the Meteorological Office, London. In several of the additional squares which will be included in the volume for **1922**, the figures will represent the combination of data supplied by ships reporting to the Meteorological Services of more than one country, co-operating in accordance with a scheme suggested by the Commission for Maritime Meteorology. The data will be found intercalated among the observations from land stations, those for the square **53°—48° N., 20°—15° W.**, appearing in Zone **3** as No. **333**, and those for **50°—45° N., 35°—30° W.** in Zone **4** as No. **430**. They include—

(1) the mean latitude and longitude of the observations, calculated separately for each month

(2) the number of observations (entered in the column for "height").

(3) the mean pressure.

(4) the mean temperature of the sea surface with difference from normal. For convenience these figures have been entered in the column for the date of the absolute maximum temperature.

(5) the mean temperature of the air.

The normals used for obtaining the mean temperature of the sea surface have been read off month by month from charts recently prepared in the Meteorological Office, London, and published in *The Marine Observer*, Vol. III, **1926**. The mean values for each month have been computed from observations on ships six times daily, and equal weight has been assigned to each observation. In general, mean values from observations taken six times a day are deduced from not less than **30** observations per month, thus putting a square on a par with a land station observing once daily. In square **53°—48° N., 20°—15° W.**, the number of observations is

(57) Wt. 19310—6003/1147. 375. 5/28. T.S. 66.

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greater than this minimum in each month ; in square 50°—45° N., 35°—30° W., the numbers fall to 20—23 in September, 23 in November and 24 in December, but as the numbers are well above the minimum in the remaining months, the data for the three months in question have been included in order to avoid breaking the continuity of the series. It will be observed that for each square, two figures are given for each month as the number of observations. These different figures refer to the different elements ; the number of observations of pressure available in any month frequently differs from the number of observations of sea temperature or of air temperature. The differences are in general not of sufficient importance to affect appreciably the mean latitude and longitude.

At the meeting of the Commission held in Zürich in 1926, the following rules were adopted to regulate the practice regarding the normals to be used in the Réseau Mondial.

(*a*) Departures from normal will not be employed unless the series of observations available covers a period of ten years or more.

(*b*) A normal will be prepared for any station as soon as ten years' observations are available. This normal will remain in use for the next five years. When data for 15 years are available, the normal will be revised. A further revision will take place when data for 25 years become available, and a final revision when data for 35 years become available. Normals covering a period of 35 years or more will only be revised when opportunity offers.

(*c*) While the procedure laid down in paragraph (*b*) will be the one usually followed, advantage will be taken of any re-determinations of normals which become available. Such an opportunity is presented by the publication of the collection of the " Long Series " data which is now being made by the Smithsonian Institution, and normals based on these data will be brought into use in the volume of the Réseau Mondial for 1921.

(*d*) When an official meteorological service publishes departures from normal in its current publications these may, if thought desirable, be used in the Réseau Mondial.

(*e*) The periods covered by the normals will be set out in the Table of Authorities as at present. Whenever new normals are introduced the attention of readers will be called to the change by adding an appropriate sign to the figures to which the new normal has first been applied.

(*f*) These instructions will be brought into use when the compilation of the volume for the year 1921 is commenced.

In editing the present volume these rules have been closely followed, except that it was not possible without unduly delaying the publication of the present volume to incorporate all the normal values included in the collection of *World Weather Records* published by the Smithsonian Institution.*

The membership of the Commission at the close of the meeting at Zürich was as follows : Dr. G. C. Simpson, Great Britain (President) ; Dr. W. van Bemmelen, Holland ; Professor F. Eredia, Italy ; Professor E. van Everdingen, Holland ; M. Sampaio Ferraz, Brazil ; Professor von Ficker, Germany ; Professor E. Fontseré, Spain ; Dr. S. Fujiwhara, Japan ; M. Gain, France ; Dr. L. Gorczynski, Poland ; Professor Dr. B. Helland Hansen, Norway ; Professor Dr. H. Hergesell, Germany ; Dr. Th. Hesselberg, Norway ; Mr. H. A. Hunt, Australia ; Professor Dr. M. Knudsen, Denmark ; Dr. O. Krogness, Norway ; Mr. R. G. K. Lempfert, Great Britain ; Professor C. F. Marvin, United States of America ; Professor

* Smithsonian Misc. Coll., Vol. 79, Washington, 1927.

G. Melander, Finland ; Professor T. Okada, Japan ; Professor A. de Quervain, Switzerland (deceased, January 13th, 1927) ; Captain Rouch, France ; Sir Napier Shaw, Great Britain ; Mr. C. Stewart, South Africa ; Sir Frederic Stupart, Canada ; Sir Gilbert Walker, Great Britain ; Dr. A. Wallén, Sweden ; Captain P. Wehrlé, France ; Professor Vladimir Wiese, Russia.

A list of the additions or changes made in the network of stations since the issue of the preceding volume is given below. These changes have been made in consultation with the Directors of the National Meteorological Services concerned.

Additions :—

Zone 1, 80° to 70° N.	..	135, Jan Mayen.
Zone 10, 10° to 20° S.	..	1066*a*, Willis Island.

The following substitutions have been made :—

Substitutions :--

Zone 2, 70° to 60° N.	..	236, Lerwick. Station moved from Fort Charlotte (18m.) to The Nab (60° 9′ N., 1° 11′ W. H_b 46·9 m.) on April 14th.
		238, Aalesund for Christiansund.
Zone 3, 60° to 50° N.	..	368, Petropavlovsk (Phare) for Petropavlovsk (Radio).
Zone 4, 50° to 40° N.	..	449, Kasalinsk for Aralskoe More.
Zone 5, 40° to 30° N.	..	536*a*, Colomb Béchar. Station resumed as the nearest station to Insalah, formerly No. 637, now closed.
Zone 8, 10° N. to 0°	..	835, Assuantsi for Cape Coast Castle.
Zone 10, 10° to 20° S.	..	1027, Bello Horizonte. Station moved from the Municipal Park (H_b 857 m.) to the Praça da Liberdade (H_b 895 m.).
Zone 12, 30° to 40° S.	..	1226, Montevideo, Observatorio Central for Montevideo (Prado).

Changes in the site have been made at the following stations :—

Zone 2, 70° to 60° N.	..	232, Vestmanno.
Zone 3, 60° to 50° N.	..	345, Saratov.
		352, Omsk.
Zone 4, 50° to 40° N.	..	446, Astrakhan.
		447, Fort Alexandrovsk.
		448, Krasnovodsk.

The stations shown below have been closed and have consequently been deleted :—

Zone 6, 30° to 20° N.	..	637, Insalah.
Zone 7, 20° to 10° N.	..	757*a*, Cap St. Jacques.
Zone 8, 10° N. to 0°	..	838*a*, Libreville.
Zone 10, 10° to 20° S.	..	1007, Makatea.
		1046, Sainte-Marie.
Zone 11, 20° to 30° S.	..	1169, Ouitchambo.

Data for the following stations are missing :—

Zone 2, 70° to 60° N.	..	204, Candle.
		244, Petrozavodsk.
		249, Berezov.
		250, Obdorsk.
Zone 3, 60° to 50° N.	..	301, Atka.
		351, Akmolinsk.
		359, Tchita.
		360, Nertchinskii Zavod.
		365, Nikolaevsk-sur-Amour.
Zone 4, 50° to 40° N.	..	451, Narynskoe.
Zone 7, 20° to 10° N.	..	736, Timbuktu.
Zone 9, 0° to 10° S.	..	905, Malden Island.
		930, Fernando Noronha.
		968. Rendova.
Zone 10, 10° to 20° S.	..	1030, Aracaju.
Zone 14, 50° to 60° S.	..	1425, Stanley, Falkland Is.

The total number of stations utilised was 439 as against 437 in 1920.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1921.

Subdivision of the Globe and numbering of Stations.—In order to facilitate the grouping of the information, the surface of the globe is divided into zones each covering ten degrees of latitude. Those zones are numbered consecutively from north to south, the number 1 being assigned to the zone extending from latitude 80° N. to latitude 70° N., the northernmost one for which information is available. The corresponding zone in the southern hemisphere, that extending from latitude 70° S. to latitude 80° S., accordingly becomes zone No. 16.

An identification number is assigned to each station. The first one or two digits in this number specify the zone to which the station belongs, and the last two digits indicate its position in longitude. For the latter purpose the zones are subdivided into 36 " squares," each extending over ten degrees of longitude, and two station numbers are assigned to each square. The enumeration of the stations starts from longitude 180° west of the meridian of Greenwich and proceeds eastward. A few examples will make the system clear. Station numbers 101 and 102 refer to the stations in zone 1 (i.e. between latitude 80° N. and 70° N.) between longitude 180° W. and 170° W. ; station numbers 335 and 336 to the stations in zone 3 (60° N. to 50° N.) between longitude 10° W. and 0° ; station numbers 1147 and 1148 to the stations in zone 11 (latitude 20° S. to 30° S.) between longitude 50° E. and 60° E., i.e. to the Indian Ocean. In cases where it has been found desirable to give data for more than two stations in one " square " the additional stations are distinguished by adding the letter " *a* " to the numbers appropriate to the square. For zone 6 between longitude 90° E. and 100° E. it was considered desirable to give data for the two Indian stations Cherrapunji and Gauhati, representing conditions at high and low levels, the mountain station Cherrapunji being indicated by the addition of the letter " *m* " to the number appropriate to Gauhati.

In the monthly tables the data are arranged by zones, and within each zone, in the order of the identification numbers of the stations.

Units.—Absolute units related to the metric system are employed throughout. The scale on which temperatures are recorded in the Réseau Mondial is such that the freezing point of water under atmospheric pressure is 273*a* precisely. Other temperatures differ by 273·0 from readings on the Centigrade scale. Conversion tables, showing the relation of these units to the units more commonly in use, will be found on pp. xvi to xviii of the Réseau Mondial for 1914.

Authorities.—The data have been transcribed in most cases from the publications of the various meteorological institutes received in the Library of the Meteorological Office. Particulars of the sources from which they have been taken will be found in the *Table showing the Authorities for the Meteorology of the Globe*, printed at the end of the volume. In many cases the volumes for 1921 have not yet been issued and the data have therefore been taken from advance manuscript copies supplied by the courtesy of the Directors concerned, whose valued co-operation is hereby acknowledged. The data for some stations in the British Colonies have been transcribed from manuscript returns received in the Meteorological Office, and have not yet been published elsewhere. The majority of the stations for which information is given are under the control of government meteorological services ; it is therefore assumed that the recognised conventions regarding the instruments and their exposure have been followed. In the case of other stations information on these points is sometimes lacking, but no observations have been included that are known to be faulty in this respect. The positions of stations, their heights above sea-level and the spelling of names, have been taken from the official meteorological publications, if given, but in some cases it has been necessary to complete this information from other sources.

In the tables for 1918 the symbol $\mathfrak{T}$ was introduced to signify the true, or 24-hour, mean temperature. The letters *a*, *b*, *c*, etc., have replaced the symbols used in the volume for 1917 as references to the notes at the end of the Table of Authorities.

Height above Sea Level.—Particulars of the datum used in the European countries when specifying heights above sea level will be found in the Introduction to the volume of Tables for 1914.

Normals.—Wherever possible the departures from normal of the monthly values of mean pressure, mean temperature and precipitation, are given. It has not been possbile to employ homogeneous series throughout. In all cases an endeavour is made to secure that the normals are based on the same combination of values as the current data, or a comparable one. The years to which the normals refer are given in the *Table showing the Authorities for the Meteorology of the Globe* at the end of the volume.

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the values at sea level are not given in the publication from which the data have been transcribed, they have been computed in the Meteorological Office for stations not exceeding 2,000 metres in altitude, for which the height above sea level was accurately known. The reduction is based on an expansion of the formula $p_o = pe^{\frac{z}{KT}}$ and assumes that the temperature decreases upwards at the rate of 0·5° C. per 100 metres and that the average relative humidity of the air column between the station and sea-level is 50 per cent. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at fixed hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. vii) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the

differences from normal refer to the latter, except at the stations to which the suffix " q " is given in the list of Authorities, for which the differences from normal refer to station level.

Temperature.—The monthly tables include the means of the daily readings of maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature obtained from the mean maximum and mean minimum, and a column giving the observed or deduced mean of 24 hourly values per day.

The column headed " 24 hr. mean " contains : in Roman type, means based on at least six equally-spaced observations each day : in *italic* type, either (a) means based on observations at one or more fixed hours, with or without an appropriate correction ; or (b) means obtained by applying an appropriate correction to the mean of the mean daily maximum and mean daily minimum. The methods by which these figures in italics have been deduced are in all cases set out in the Table of Authorities in the column headed " Remarks " pp. 105–114.

Precipitation.—The term precipitation includes rain, snow, hail and (if of measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected stations in the tropics. At the foot of these tables the Resultant Direction and the " Constancy " are given. No account is taken of wind *strength* in computing these quantities ; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The " *constancy* " is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Barrow, ½ (7+19) (22)	+0·2	+0·2	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1
Gaasefiord for Inglefield Bay, ⅓ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gjesvaer, ⅓ (8+13+19) (20)	+0·1	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Gjesvaer and Vardo for Mehavn, ⅓ (8+14+19) (20)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Vardo, ⅓ (8+14+19) (20)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Malye Karmakouly, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Waigatz, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, ⅓ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Tanana *and* Valdez, ½ (7+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Eagle, ⅓ (8+18) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Godthaab, *and for* Jacobshavn *and* Ivigtut, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Godthaab for Ivigtut, ⅓ (8+15+21) (1)										−0·1	−0·1	−0·1	
Angmagsalik, ⅓ (8+14+21) (1)	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
Bergen, ⅓ (8+14+19) (20)	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1
Aalesund, ⅓ (8+14+19) (20)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1
Trondhjem, ⅓ (8+14+19) (20)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Bodö, ⅓ (8+14+19) (20)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Helsingfors, *and for* Kuopio, ⅓ (7+14+21) (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Arkhangelsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Mezen, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Tcherdyn, ⅓ (7+13+21)(1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Touroukhansk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Verkhoïansk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for St. Paul Is., ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Dutch Harbor, ½ (1+13) (8)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Sitka for Kodiak, ½ (2+14) (8)	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1	−0·1
Sitka, ½ (8+20) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ½ (8+18) (1)	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7¾+18½) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Fort Hope, ½ (9+21) (1)	−0·1	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·2	−0·2
Le Pas and Fredericton for Moose Factory, ⅓ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg, ⅓ (8+14+20) (1)	+0·1	+0·1	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Hamburg and Uppsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, ⅓ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Petrograd, ⅓ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 3—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Kiev, ⅛ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Saratov, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Kazan, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	+0·1	0·0
Orenburg, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Sverdlovsk. (Ekaterinburg), ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Tobolsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Omsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Barnaoul, ⅛ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Tomsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, ⅛ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ⅛ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	+0·1	−0·1
Kirensk, ⅛ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Tygan Ourkan, ⅛ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagovyeshchensk, ⅛ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Sitka for Attu, 8 h. (8)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 4.													
Winnipeg, *and for* Port Arthur, ⅛ (7+14+19) (1)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
New York, ⅛ (7+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
St. John, N.B., ⅛ (9+15+21) (1) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1
Madrid, ⅛ (7+13+18) (1)	+0·1	+0·2	+0·4	+0·6	+0·5	+0·4	+0·4	+0·4	+0·3	+0·2	+0·1	0·0	+0·3
Nice for Marseille, ⅛ (7+10+12+16+18+22) (16)	0·0	−0·1	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Rome, ⅛ (9+15+21) (3)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
O-Gyalla for Budapest, ⅛ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Bucharest for Sofia, ⅛ (7+14+21) (1) ..	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
Odessa, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	+0·1	0·0
Kharkov, ⅛ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Novorossiisk, ⅛ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	0·0	−0·1
Astrakhan, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Fort Alexandrovsk, ⅛ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Krasnovodsk, ⅛ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	0·0	−0·1
Kasalinsk, ⅛ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Tachkent, ⅛ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ⅛ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Zone 5.													
Madeira (Funchal), ⅛ (9+15+21) (1) ..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Lisbon, ⅛ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·2	−0·1	−0·2	−0·2	−0·2	−0·1	−0·2
Lisbon for Gibraltar, ⅛ (7+13+21) (4)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	0·0	−0·1
Bouzaréah for Melilla, ½ (8+16) (1) ..	+0·2	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	+0·1
Palma, ½ (8+16) (1)	−0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	−0·1	0·0	+0·1	0·0
Metlaoui for Tunis, ⅛ (7+13+19) (1) ..	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	−0·1	0·0	+0·1
Metlaoui for Malta, ½ (7+18) (1) ..	+0·3	+0·3	+0·4	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·4	+0·3	+0·3	+0·4
Naples for Riposto, ⅛ (9+15+21) (2) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Alexandria, ⅛ (8+14+20) (18) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0
Athens and Cairo for Nicosia, ⅛ (8+15) (1)	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2
Baghdad, 8 h. (17)	−0·4	−0·6	−0·7	−0·7	−0·8	−0·9	−1·1	−1·2	−1·1	−1·0	−0·8	−0·5	−0·8
Lenkoran, ⅛ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Peshawar, 8 h. (6)	−0·9	−1·1	−1·2	−1·4	−1·8	−2·1	−2·0	−1·9	−1·8	−1·8	−1·5	−1·0	−1·6
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hankow, ⅛ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tientsin, ⅛ (6+14+22) (8) ..	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 6.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Mexico for La Paz, Chihuahua, Leon *and* Monterry, ⅛ (7+14+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Izaña, ⅛ (7+13+18) (19)	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	+0·1
Cairo, ⅛ (8+14+20) (21)	+0·1	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Khartoum and Cairo for Aswan, ⅛ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Khartoum and Cairo for Tor, ⅛ (8+14+20) (18)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0	−1·3	−1·2
Karachi, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3	−1·5	−1·3
Jacobabad, 8 h. (6)	−1·1	−1·3	−1·7	−1·7	−1·8	−1·7	−1·5	−1·4	−1·5	−1·4	−1·4	−1·2	−1·5	−1·4	−1·2
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6	−1·6	−1·6
Darjeeling, 8 h. (6)	−0·3	−0·3	−0·6	−0·8	−0·9	−0·8	−0·6	−0·6	−0·8	−0·8	−0·7	−0·5	−0·6	−0·6	−0·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5	−1·7	−1·5
Dinajpur and Sibsagar for Gauhati, 8 h. (6)	−1·7	−1·6	−1·9	−2·0	−1·8	−1·4	−1·4	−1·5	−1·6	−1·8	−1·9	−1·8	−1·7	−1·8	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3	−1·5	−1·3
Mandalay, 8 h. (6)	−1·7	−1·8	−2·1	−2·1	−1·7	−1·4	−1·3	−1·3	−1·6	−1·8	−1·8	−1·8	−1·8	−1·8	−1·7
Phu Lien for Moncay, ½ (10+16) (9) ..	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	−0·1	0·0	
Hongkong for Amoy, 9 h. (13)	−1·8	−1·7	−1·6	−1·5	−1·3	−1·0	−0·9	−0·8	−1·2	−1·6	..	..	−1·4		
Hongkong for Amoy, ½ (9+18) (13) ..	..	..	..	..	..	..	..	..	..	..	−0·4	−0·4	..		
Taihoku and Manila for Basco, ½ (6+14) (13)	+0·7	+0·6	+0·5	+0·5	+0·4	+0·4	+0·4	+0·5	+0·6	+0·6	+0·6	+0·7	+0·5		
Zone 7.													
Mexico for Colima, Morelia *and* Salina Cruz, ⅛ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0		
Jamaica, ½ (7+15) (12)	+0·5	+0·4	+0·3	+0·2	+0·2	+0·2	+0·3	+0·4	+0·4	+0·4	+0·4	+0·5	+0·4		
Port au Prince, ⅛ (7+13+21) (13) ..	−0·1	−0·2	−0·3	−0·3	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	−0·1	−0·2		
St. Kitts for Montserrat, ½ (9+15) (13)	−0·3	−0·3	−0·2	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·1		
Barbados, ½ (9+15) (13)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	0·0	−0·2	−0·3	−0·1	−0·1	−0·2	0·0		
Duala for Kaduna, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7		
Khartoum, ⅛ (8+14+20) (18) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1		
Khartoum and Cairo for Port Sudan, ⅛ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0		
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8		
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8		
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4		
Bangalore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6		
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6		
Vizagapatam, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5		
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1		
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6			
Bolinao, ½ (6+14) (1)	+0·5	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·5	+0·6	+0·6	+0·6	+0·6	+0·5		
Ormoc, ½ (6+14) (1)	+0·7	+0·6	+0·6	+0·7	+0·6	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·7	+0·7		
Zone 8.													
Duala and Sansane Mangu for Freetown, Sierra Leone, ⅛ (9+17) (1) ..	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1	0·0	0·0		
Duala for Lagos, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7		
Entebbe, ⅛ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1		
Colombo, ½ (9½+15½) (6)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2		
Trincomalee, ½ (9½+15½) (6)	−0·1	−0·1	0·0	+0·2	+0·3	+0·3	+0·4	+0·3	+0·3	+0·2	+0·1	0·0	+0·2		
Singapore, *and for* Penang, ⅛ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2		
Manila for Iwahig, ½ (6+14) (13) ..	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·5	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6		
Zone 9.													
Quixeramobim, *and for* Turyassu and Barra do Corda, ⅛ (7+14+21) (1) ..	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1		
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5		
Ocean Island, ½ (8+20) (1)	−0·9	−0·9	−1·0	−0·9	−0·8	−0·7	−0·6	−0·7	−0·7	−0·8	−0·7	−0·8	−0·8		

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Zone 10.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Arequipa, ½ (8+20) (14)	−0·3	−0·3	−0·3	−0·3	−0·3	−0·2	−0·2	−0·3	−0·4	−0·4	−0·4	−0·4	−0·3
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Kimberley and Zomba for Gwelo, 8 h. (1)*	−1·6	−1·6	−1·5	−1·4	−1·3	−1·3	−1·3	−1·4	−1·5	−1·6	−1·7	−1·7	−1·5
Salisbury, 9 h (5)	−1·3	−1·3	−1·5	−1·3	−1·3	−1·2	..	..	..	..	..	..	−1·4
Zomba, ½ (9+21) (1)	−0·8	−0·8	−0·8	−0·9	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·9	−0·9	−0·9
Antananarivo, ⅓ (7+13+18) (1)	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·3
Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Apia for Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·4	−1·5	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Santiago for Punta Tortuga, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Mollendo for Iquique, ⅓ (7+14+21) (14)	−0·1	−0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·2	−0·1	0·0
Curityba, ⅓ (7+14+21) (13)	−0·2	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	0·0
Kimberley, ⅓ (8+14+20) (15)	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Johannesburg for Pretoria, 8½ h. (13)	−1·0	−1·1	−1·1	−1·1	−1·0	−1·0	−1·1	−1·3	−1·3	−1·2	−1·1	−1·1	−1·1
Bulawayo, 8 h. (1)	−1·3	−1·2	−1·1	−1·0	−1·0	−0·9	−0·9	−1·0	−1·3	−1·4	−1·4	−1·3	−1·1
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·2
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, *and for* Thargomindah, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Valdivia for Punta Tumbes, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1
Santiago, *and for* Valparaiso, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Montevideo, ⅓ (7+14+21) (13)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	−0·1	−0·2	0·0
Cape Town for Danger Point, Riversdale *and* East London, 8½ h. (2)	−0·5	−0·6	−0·7	−0·7	−0·7	−0·7	−0·7	−0·8	−0·8	−0·7	−0·6	−0·5	−0·7
Cape Leeuwin for Perth, ½ (9+15) (1)	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1
Bourke, 9 h. (1)	−1·2	−1·1	−1·2	−1·1	−0·9	−0·8	−0·7	−0·8	−1·0	−1·0	−1·0	−1·1	−1·0
Zone 13.													
Santiago and Punta Arenas for Isla Guafo *and* Punta Galera, ⅓ (7+14+21) (1)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·3	−0·1
Hobart, *and for* Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
Punta Arenas, *and for* Islota de los Evangelistas *and* Punta Dungeness, ⅓ (7+14+21) (1)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·2	+0·1	0·0	0·0	0·0	−0·1	0·0
Año Nuevo, ⅓ (8+14+20) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
South Georgia, ⅓ (8+14+20) (1)	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

(1) Prepared in M.O.

(2) Buchan, A., *Report on . . . Voyage of H.M.S. "Challenger,"* 1873–76. *Physics and Chemistry*, vol. ii., part v. *Report on Atmospheric Circulation.* London, 1889.

(3) Eredia, F., *Il clima di Roma*, 1911.

(4) Lima, A., *O clima de Portugal Continental*, 1922.

(5) *Corrections supplied by* Salisbury, Dept. Agric.

(6) *Indian Meteorological Memoirs*, vol. xvii.

(7) Zi-Ka-Wei, *Bulletin des Observations*, 1910.

(8) Rykatchew, M., *La marche diurne du baromètre en Russie*, 1879.

(9) Le Cadet, G., *Le climat du Delta du Tonkin*, 1911.

(10) Tetens, O., u. Linke, F., *Das Klima von Samoa*, 1910.

(11) Gorczynski, Wl., *Pression atmosphérique en Pologne et en Europe*, 1917.

(12) Kingston, Jamaica (Weather Office), No. 553. *Meteor. results of barometer pressure, temperature, &c.* Jamaica, 1923.

(13) Hann, J. von, *Die ganztägige (24-stündige) Luftdruckschwankung . . .*, 1919.

(14) Cambridge, Mass., Astr. Obs. Harvard College, *Annals*, vol. 49, part i.

(15) Sutton, J. R., *Diurnal Variation of Barometric Pressure*, 1907.

(16) Angot, A., *Etude sur le climat de la France. Pression atmosphérique.* Paris, Ann. bur. centr. météor., *Annales*, 1906, part i, p. 83.

(17) Eredia, F., *Sul clima di Bagdad.* Rome, 1917.

(18) *Corrections supplied by* Cairo, Phys. Dept.

(19) Madrid, *Anuario del Obs.*, Tomo III., Suppl. 3, p. 4.

(20) Christiania, Jahrb. d. Norweg. Meteor. Instituts, 1891, p. xiii.

(21) Cairo, Phys. Dept., Climatological normals for Egypt and the Sudan, Candia, Cyprus and Abyssinia, Cairo, 1922.

(22) Washington, Report of the International Polar Expedition to Point Barrow, Alaska, 1885.

ADDITIONS AND CORRECTIONS.

No.	Station.	Height. Metres.	Pressure.		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1919.																	
855.	*Kuta Raja.*	7·1	M.S.L.	mb.	1011·8	1011·4	1011·4	1009·8	1008·7	1008·8	1008·6	1009·9	1010·3	1008·8	1008·4	1008·9	1009·8
				Diff.	+0·6	−0·1	+0·3	−0·7	−1·0	−1·0	−1·3	−0·2	−0·5	−2·3	−1·6	−2·6	−0·8
957.	*Padang.*	6·7	M.S.L.	mb.	1011·7	1011·0	1011·5	1010·1	1009·4	1010·1	1009·9	1011·2	1010·6	1011·6	1011·0	1010·8	1010·8
				Diff.	+0·4	−0·5	+0·3	−0·9	−1·3	−1·0	−1·4	+0·1	−0·7	+0·6	0·0	−0·5	−0·3
958*a*.	*Pontianak.*	2·6	M.S.L.	mb.	1012·1	1011·6	1011·3	1010·5	1009·5	1010·0	1010·2	1010·7	1010·8	1010·9	1010·8	..	..
				Diff.	+1·6	+1·1	+0·8	+0·7	−0·2	+0·1	+0·1	+0·6	+0·5	+0·5	+0·3	..	..
962.	*Amboina.*	4·2	M.S.L.	mb.	1010·4	1010·9	1010·2	1009·3	1009·4	1011·1	1011·3	1012·4	1011·3	1011·1	1009·6	1009·1	1010·5
				Diff.	+2·1	+2·4	+1·7	+0·8	+0·2	+1·1	+0·7	+1·4	+0·3	+1·4	+1·0	+0·6	+1·1
1920.																	
855.	*Kuta Raja.*	7·1	M.S.L.	mb.	1009·4	1009·9	1008·3	1007·8	1007·8	1007·7	1007·8	1008·0	1008·0	1008·2	1007·9	1008·2	1008·2
				Diff.	−1·8	−1·6	−2·8	−2·7	−1·9	−2·1	−2·1	−2·1	−2·8	−2·9	−2·1	−3·3	−2·4
957.	*Padang.*	6·7	M.S.L.	mb.	1010·7	1011·3	1009·4	1009·6	1010·1	1009·8	1010·7	1010·8	1010·2	1010·7	1009·4	1010·1	1010·2
				Diff.	−0·6	−0·2	−1·8	−1·4	−0·6	−1·3	−0·6	−0·3	−1·1	−0·3	−1·6	−1·2	−0·9
958*a*.	*Pontianak.*	2·6	M.S.L.	mb.	1011·0	1011·4	1010·5	1009·9	1010·2	1009·6	1009·9	1010·5	1009·8	1011·0	1009·7	1009·7	1010·3
				Diff.	+0·5	+0·9	0·0	+0·1	+0·5	−0·3	−0·2	+0·4	−0·5	+0·6	−0·8	−0·7	+0·1
962.	*Amboina.*	4·2	M.S.L.	mb.	1008·7	1009·6	1009·4	1008·6	1010·1	1009·2	1010·1	1010·8	1010·1	1009·9	1008·4	1007·8	1009·4
				Diff.	+0·4	+1·1	+0·9	+0·4	+0·9	−0·8	−0·5	−0·2	−0·9	+0·2	−0·2	−0·7	0·0

1914-1920.

438. *Marseille.* Precipitation differences from normal *should read* :—

1914	..	mm.	−11	+58	−19	−44	+36	− 3	+29	+39	− 5	+97	−30	+21	..
1915	..	mm.	+19	+43	+26	+ 4	+66	+62	−15	−24	−18	−12	−52	−17	..
1916	..	mm.	−39	+93	+23	+ 1	− 9	−25	−15	−21	+21	−40	−28	+ 2	..
1917	..	mm.	+30	+17	+56	−16	+54	0	−15	−19	+41	−60	−66	+64	..
1918	..	mm.	+13	−28	+32	+46	− 7	−24	−11	−23	−13	+41	+16	−37	..
1919	..	mm.	+82	+31	−19	−36	−45	−19	−12	−24	+58	−67	−21	−45	..
1920	..	mm.	+20	−29	+16	+33	−44	− 9	−16	− 7	+121	+136	+117	−43	..

1917-1920.

1123. *Catamarca.* Pressure, Mean at Level of Station, M.S.L., and differences from normal *should read* :—

1917	Stat. Lev.	mb.	946·8	949·8	953·6	954·6	959·4	956·6	959·4	958·6	954·2	954·3	953·1	948·8	954·0
	M.S.L.	mb.	1002·4	1006·3	1010·6	1012·1	1018·8	1016·3	1019·5	1018·0	1012·0	1011·6	1009·9	1004·6	1011·7
		Diff.	−4·0	−1·4	+1·4	+0·4	+5·4	+0·6	+3·1	+2·6	−0·4	+1·1	+2·3	−1·4	+0·7
1918	Stat. Lev.	mb.	950·2	953·4	952·4	952·3	954·7	955·6	954·8	956·2	954·2	952·3	948·0	950·7	952·8
	M.S.L.	mb.	1006·5	1010·4	1009·4	1009·6	1013·6	1015·4	1014·2	1015·0	1012·5	1009·4	1004·4	1006·9	1010·6
		Diff.	+0·1	+2·7	+0·2	−2·1	+0·2	−0·3	−2·2	−0·4	+0·1	−1·1	−3·2	+0·9	−0·4
1919	Stat. Lev.	mb.	949·6	951·0	953·9	951·8	951·0	955·5	955·9	958·0	953·9	953·1	949·0	949·2	952·7
	M.S.L.	mb.	1005·4	1007·2	1011·1	1009·3	1008·7	1015·3	1015·6	1017·0	1012·0	1010·3	1005·3	1004·9	1010·2
		Diff.	−1·0	−0·5	+1·9	−2·4	−4·7	−0·4	−0·8	+1·6	−0·4	−0·2	−2·3	−1·1	−0·8
1920	Stat. Lev.	mb.	949·1	951·8	950·6	954·3	951·8	957·4	959·0	957·1	954·0	953·2	950·3	948·0	953·1
	M.S.L.	mb.	1004·5	1008·2	1006·9	1011·6	1009·8	1017·4	1019·5	1016·2	1011·9	1010·6	1006·8	1004·0	1010·7
		Diff.	−1·9	+0·5	−2·3	−0·1	−3·6	+1·7	+3·1	+0·8	−0·5	+0·1	−0·8	−2·0	−0·3

1424*a*. *Año Nuevo.* True mean temperature and difference from normal *should read* :—

1919	..	a.	..	..	..	..	..	..	..	..	..	*277·3*	*277·1*	*280·2*	*278·1*
		Diff.	..	..	..	..	..	..	..	..	..	0·0	−1·6	+0·7	+0·2
1920	..	a.	*281·6*	*281·6*	*280·0*	*279·6*	*276·0*	*275·8*	*275·1*	*277·0*	*276·1*	*277·1*	*279·4*	*281·4*	*278·3*
		Diff.	+1·4	−0·3	+0·5	+1·2	−0·7	+0·2	+0·3	+1·6	−0·4	−0·2	+0·7	+1·9	+0·4

1921.

1021. *Arequipa.* *Insert* pressure, Mean at Level of Station and differences from normal.

1921	Stat. Lev.	mb.	760·9	761·4	761·1	761·4	761·9	761·5	..	..	..	..	..	..	..
		Diff.	+0·5	+0·7	+0·4	+0·4	+0·6	+0·2	..	..	..	..	..	..	..

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	† 24hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
153	Dickson . . . 1919.	73 30	N. 80 23	E. 13														
	January . . .	..	..	..	1024·0	1025·8	..	250·3	266·0	28th	241·0	228·9	18th	245·6	..	..	1	..
	February . . .	..	..	..	1007·9	1009·7	..	244·8	251·0	8th, 9th	238·4	230·8	16th, 17th	241·6	..	..	0	..
	March . . .	..	..	..	1011·0	1012·8	..	248·5	259·5	12th	240·2	231·8	22nd	244·4	..	..	1	..
	April . . .	..	..	..	1004·0	1005·7	..	259·0	267·4	21st, 23rd	252·2	244·5	2nd	255·6	..	..	1	..
	May . . .	..	..	..	1014·6	1016·3	..	267·4	273·8	16th, 29th	262·5	253·5	2nd	265·0	..	..	1	..
	June . . .	..	..	..	1013·4	1015·0	..	273·6	278·0	17th	270·6	265·6	1st	272·1	..	..	3	..
	July . . .	..	..	..	1004·7	1006·3	..	278·2	284·8	10th	273·8	271·6	16th	276·0	..	..	1	..
	August . . .	..	..	..	1010·0	1011·6	..	285·3	293·6	21st	278·8	272·9	9th	282·0	..	..	37	..
	September . . .	..	..	..	1006·4	1008·0	..	278·7	282·0	20th	276·1	273·5	15th	277·4	..	..	13	..
	October . . .	..	..	..	1000·0	1001·7	..	271·2	276·7	1st	267·2	252·2	30th	269·2	..	..	13	..
	November . . .	..	..	..	1001·6	1003·4	..	..	264·4	2nd	247·8	242·4	17th	..	*‡251·4*	..	32	..
	December . . .	..	..	..	1017·2	1019·0	..	..	265·2	1st	..	..	..	..	*‡246·7*	..	39	..
	Year . . .	..	..	..	1009·6	1011·3	..	..	293·6	Aug. 21	..	..	..	..	*‡260·8*	..	33	..
	1920.																174	..
	January . . .	..	..	..	1013·0	1014·8	..	..	266·5	12th, 30th	248·0	234·9	9th	..	*‡251·7*	..	61	..
	February . . .	..	..	..	1008·4	1010·2	..	..	268·8	15th	249·1	236·9	22nd	..	*‡253·9*	..	17	..
	March . . .	..	..	..	1001·6	1003·3	..	..	269·0	24th	252·4	240·4	18th	..	*‡256·6*	..	6	..
	April . . .	..	..	..	1003·1	1004·8	..	..	272·1	10th	251·4	241·8	17th	..	*‡255·3*	..	4	..
	May . . .	..	..	..	1010·4	1018·1	..	..	273·2	19th	260·5	251·0	1st	..	*‡263·7*	..	6	..
	June . . .	..	..	..	1011·2	1012·8	..	..	276·2	24th	270·8	265·7	3rd, 5th	..	*‡272·3*	..	36	..
	July . . .	..	..	..	1008·4	1010·0	..	..	282·5	30th	273·2	270·0	14th	..	*‡275·3*	..	20	..
	August . . .	..	..	..	1009·4	1011·0	..	..	287·8	17th	277·5	271·5	4th	..	*‡280·1*	..	31	..
	September . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	October . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	November . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	December . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Year . . .	..	..	..	..	..	..	..	287·8	Aug. 17	..	..	..	..	..	..	..	..
856	Medan . . . 1919.	3 35	N. 98 41	E. 25·0														
	January . . .	..	..	..	..	1012·0	+ 0·8	302·6	304·3	23rd	295·5	293·1	16th	299·1	298·4	..	..	..
	February . . .	..	..	..	..	1011·6	+ 0·2	303·8	305·7	18th	295·7	294·1	6th	299·7	299·0	..	..	..
	March . . .	..	..	..	..	1010·9	+ 0·2	304·0	306·4	29th	295·6	293·4	1st	299·8	299·1	..	..	..
	April . . .	..	..	..	..	1009·6	− 0·4	304·3	306·1	14th	295·9	294·3	21st	300·1	299·4	..	..	..
	May . . .	..	..	..	..	1008·5	− 1·1	304·0	305·6	19th	296·3	294·5	3rd	300·1	299·5	..	..	..
	June . . .	..	..	..	..	1008·9	− 0·8	305·0	306·7	16th	295·9	293·8	17th	300·5	299·8	..	..	..
	July . . .	..	..	..	..	1008·8	− 0·9	304·3	307·1	29th	295·3	294·0	24th	299·8	299·0	..	..	..
	August . . .	..	..	..	..	1010·0	+ 0·2	305·8	308·8	22nd	294·2	292·6	2nd	300·0	299·0	..	..	..
	September . . .	..	..	..	..	1010·3	− 0·1	304·8	306·7	19th	293·4	290·9	10th	299·1	298·0	..	..	..
	October . . .	..	..	..	..	1010·5	+ 0·1	304·5	306·3	21st	294·2	291·9	7th	299·3	298·1	..	..	..
	November . . .	..	..	..	..	1010·4	+ 0·2	304·2	307·5	4th	293·8	291·6	24th	299·0	298·0	..	..	..
	December . . .	..	..	..	..	1010·8	− 0·5	..	..	..	..	..	..	..	..	..	..	..
	Year . . .	..	..	..	..	1010·2	− 0·2	..	308·8	Aug. 22	..	290·9	Sept. 10	..	..	..	..	..
	1920.																	
	January . . .	..	..	..	..	1011·5	+ 0·3	300·0	302·5	27th	292·0	290·2	26th	296·0	295·1	..	..	..
	February . . .	..	..	..	..	1011·5	+ 0·1	300·8	302·8	28th	291·0	289·4	18th	295·9	295·2	..	..	..
	March . . .	..	..	..	..	1010·2	− 0·5	301·4	303·4	8th	291·9	289·6	18th	296·7	295·9	..	..	..
	April . . .	..	..	..	..	1009·2	− 0·8	304·8	307·9	5th	295·6	293·3	30th	300·2	299·2	..	..	..
	May . . .	..	..	..	..	1009·2	− 0·4	303·9	308·4	25th	296·4	295·3	15th	300·1	299·5	..	..	..
	June . . .	..	..	..	..	1009·2	− 0·5	305·6	307·8	8th	294·9	290·3	26th	300·3	300·0	..	..	..
	July . . .	..	..	..	..	1008·8	− 0·9	302·3	304·7	28th	291·4	288·5	25th	296·9	297·2	..	..	..
	August . . .	..	..	..	..	1009·8	0·0	301·4	304·2	5th	292·1	289·5	10th	296·7	295·5	..	..	..
	September . . .	..	..	..	..	1009·3	− 1·1	300·6	303·4	25th	292·0	289·3	3rd	296·3	295·4	..	..	..
	October . . .	..	..	..	..	1010·5	+ 0·1	303·0	305·3	12th	295·1	294·0	7th	299·1	298·2	..	..	..
	November . . .	..	..	..	..	1009·3	− 0·9	300·0	300·8	6th	291·3	290·3	10th	295·7	294·9	..	..	..
	December . . .	..	..	..	..	1009·7	− 1·6	..	..	..	..	..	..	..	..	..	..	..
	Year . . .	..	..	..	..	1009·8	− 0·6	..	308·4	May 25	..	288·5	July 25	..	..	..	..	..
861a	Menado . . . 1919.	1 30	N. 124 50	E. 8·5														
	January . . .	..	..	..	..	1011·7	+ 2·0	302·0	304·1	27th	295·2	293·7	26th	298·6	298·2	..	..	..
	February . . .	..	..	..	..	1011·4	+ 1·7	302·0	303·9	4th	295·7	294·2	15th	298·9	298·5	..	..	..
	March . . .	..	..	..	..	1011·2	+ 1·4	302·8	304·1	26th	296·1	293·8	8th	299·5	299·0	..	..	..
	April . . .	..	..	..	..	1009·6	+ 0·3	303·0	304·6	30th	296·1	294·7	4th	299·5	299·3	..	..	..
	May . . .	..	..	..	..	1008·5	− 0·3	303·3	304·7	30th	296·2	295·0	3rd	299·7	299·3	..	..	..
	June . . .	..	..	..	..	1009·3	+ 0·8	303·5	305·3	28th	296·3	294·2	19th	299·9	299·5	..	..	..
	July . . .	..	..	..	..	1008·6	+ 0·1	303·2	305·6	29th	296·6	294·9	14th	299·9	299·4	..	..	..
	August . . .	..	..	..	..	1009·3	+ 0·5	305·3	307·4	25th	296·4	294·4	27th	300·9	300·4	..	..	..
	September . . .	..	..	..	..	1008·8	+ 0·2	305·1	307·2	24th	295·8	293·1	8th	300·5	300·1	..	..	..
	October . . .	..	..	..	..	1008·9	0·0	304·9	306·0	27th	295·2	293·0	10th	300·1	299·7	..	..	..
	November . . .	..	..	..	..	1009·0	+ 0·5	303·9	305·5	5th	295·3	294·0	1st	299·6	298·9	..	..	..
	December . . .	..	..	..	..	1009·2	+ 0·8	303·6	305·7	27th	295·6	294·1	22nd	299·6	298·9	..	..	..
	Year . . .	..	..	..	..	1009·6	+ 0·6	303·6	307·4	Aug. 25	295·9	293·0	Oct. 10	299·7	299·3	..	..	..
	1920.																	
	January . . .	..	..	..	..	1009·9	+ 0·2	302·7	304·3	13th	295·8	294·0	31st	299·3	298·6	..	..	..
	February . . .	..	..	..	..	1010·5	+ 0·8	303·2	306·1	28th	295·8	294·6	26th	299·5	298·8	..	..	..
	March . . .	..	..	..	..	1009·8	0·0	303·2	304·7	25th	295·1	293·0	15th	299·1	298·7	..	..	..
	April . . .	..	..	..	..	1008·7	− 0·6	303·2	305·8	10th	296·0	294·2	12th	299·6	299·0	..	..	..
	May . . .	..	..	..	..	1008·9	+ 0·1	303·6	305·4	23rd	295·7	294·4	31st	299·7	299·2	..	..	..
	June . . .	..	..	..	..	1007·8	− 0·7	303·3	304·9	5th	296·1	294·9	21st	299·7	299·1	..	..	..
	July . . .	..	..	..	..	1008·1	− 0·4	303·8	306·3	31st	296·1	294·3	11th	299·9	299·6	..	..	..
	August . . .	..	..	..	..	1009·0	+ 0·2	303·9	305·7	1st	295·4	292·9	31st	299·7	299·1	..	..	..
	September . . .	..	..	..	..	1008·4	− 0·2	304·4	307·4	26th	296·1	293·6	30th	300·3	299·7	..	..	..
	October . . .	..	..	..	..	1008·9	0·0	303·6	305·8	23rd	295·4	294·1	15th	299·5	298·9	..	..	..
	November . . .	..	..	..	..	1007·9	− 0·6	304·3	306·6	5th	295·6	294·0	1st	299·9	299·3	..	..	..
	December . . .	..	..	..	..	1007·6	− 0·8	..	..	..	..	..	..	..	..	..	..	..
	Year . . .	..	..	..	..	1008·8	− 0·2	..	307·4	Sept. 26	..	292·9	Aug. 31	..	..	..	..	..

* For formulæ employed *see* page xvi. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* " Remarks," page xvi.

ADDITIONS AND CORRECTIONS—*continued.*

No.	Name of Station.	Lati-tude.	Longi-tude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	
	1919.																	
1061	Kupang	10 10	123 34	45·1	..	..	..	..	..	..	..	..	..	..	..	..	..	
	January	..	..	..	..	1010·5	+ 2·1	304·2	305·5	18th	297·0	295·3	10th	300·6	300·2	..	..	
	February	..	..	..	..	1010·7	+ 2·3	303·6	305·6	18th	296·3	295·0	7th	299·9	299·4	..	..	
	March	..	..	..	..	1010·5	+ 1·7	304·4	306·3	28th	296·5	294·7	26th	300·5	299·9	..	..	
	April	..	..	..	..	1009·7	+ 0·6	303·7	305·7	19th	296·1	294·4	26th	299·9	299·1	..	..	
	May	..	..	..	..	1010·7	+ 0·3	303·3	305·5	11th	295·0	291·8	27th	299·1	298·7	..	..	
	June	..	..	..	..	1012·4	+ 1·2	303·6	305·1	18th	294·3	292·6	20th	298·9	298·4	..	..	
	July	..	..	..	..	1012·7	+ 0·8	303·1	304·5	25th	293·5	290·4	14th	298·3	297·7	..	..	
	August	..	..	..	..	1013·2	+ 1·2	303·7	306·4	16th	292·7	288·5	21st	298·2	297·7	..	..	
	September	..	..	..	..	1012·1	+ 0·2	305·6	308·3	26th	294·2	291·4	13th	299·9	299·1	..	..	
	October	..	..	..	..	1011·8	+ 1·1	305·7	309·8	13th	294·0	292·1	27th	299·9	299·4	..	..	
	November	..	..	..	..	1010·0	+ 0·7	305·9	310·1	21st	295·7	293·2	5th	300·8	300·7	..	..	
	December	..	..	..	..	1009·5	+ 1·2	305·5	309·4	3rd	296·7	295·1	28th	301·1	300·5	..	..	
	Year	..	..	..	..	1011·1	+ 1·1	304·4	310·1	Nov. 21	295·2	288·5	Aug. 21	299·8	299·2	..	..	
	1920.																	
	January	..	..	..	..	1008·4	0·0	303·3	306·9	6th	296·8	294·8	2nd	300·1	299·8	..	..	
	February	..	..	..	..	1009·4	+ 1·0	302·6	305·0	12th	296·1	293·2	9th	299·3	298·9	..	..	
	March	..	..	..	..	1009·9	+ 1·1	304·0	305·9	26th	295·8	294·7	18th	299·9	299·1	..	..	
	April	..	..	..	..	1009·5	+ 0·4	305·2	307·5	10th	295·8	294·3	30th	300·5	299·8	..	..	
	May	..	..	..	..	1011·1	+ 0·7	304·7	306·5	7th	294·0	291·1	9th	299·3	298·7	..	..	
	June	..	..	..	..	1010·7	− 0·5	304·8	307·4	6th	295·2	291·5	16th	300·0	299·4	..	..	
	July	..	..	..	..	1011·4	− 0·5	303·6	305·5	31st	295·0	292·0	8th	299·3	298·8	..	..	
	August	..	..	..	..	1011·8	− 0·2	305·1	307·7	29th	294·6	292·2	4th	299·9	299·5	..	..	
	September	..	..	..	..	1010·8	− 1·1	305·7	309·1	21st	295·0	292·5	11th	300·3	299·9	..	..	
	October	..	..	..	..	1010·7	0·0	306·4	310·2	30th	295·7	294·1	15th	301·1	300·3	..	..	
	November	..	..	..	..	1009·0	− 0·3	305·8	310·0	18th	296·9	295·1	4th	301·3	300·9	..	..	
	December	..	..	..	..	1008·9	− 0·3	303·4	306·1	20th	297·3	295·6	20th	300·3	299·9	..	..	
	Year	..	..	..	..	1010·0	0·0	304·6	310·2	Oct. 30	295·7	291·1	May 9	300·1	299·6	..	..	

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
	1919–1920.			
153	Dickson	MS. data supplied by Central Phys. Obs., Petrograd.	..	ek **P**, 𝕋 (Nov., Dec., Yr., 1919 and Jan. to Aug., 1920) = ½ (7+13+21).
855	Kuta Raja	MS. data supplied by R. Magn. and Meteor. Obs., Batavia.	**P**, (1866–1911).	**P** reduced to mean of 24 hrs.
856	Medan	Do. do.	**P**, (1866–1911).	**P** reduced to mean of 24 hrs. 𝕋 =
861*a*	Menado	Do. do.	**P**, 1905–07; '09–16.	**P** reduced to mean of 24 hrs. 𝕋 = of 24 hrs.
957	Padang	Do. do.	**P**, (1866–1911).	**P** reduced to mean of 24 hrs.
958*a*	Pontianak	Do. do.	**P**, (1866–1915).	**P** reduced to mean of 24 hrs.
962	Amboina	Do. do.	**P**, (1866–1911).	**P** reduced to mean of 24 hrs.
1061	Kupang	Do. do.	**P**, (1866–1911).	**P** reduced to mean of 24 hrs. 𝕋 = of 24 hrs.
	1917–1920.			
1123	Catamarca	Washington, Smith's Inst., Misc. Coll., 79, 1927.	**P**, 1901–24.	e **P** = mean of 24 hrs.
	1919–1920.			
1424*a*	Año Nuevo	..	𝕋, (1888–1918).	𝕋 (Oct. to Dec., Yr., 1919 and Jan. to Yr., 1920) derived from ½ (8+14+20

* For formulæ employed *see* above. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

1910–1913; 1916–1920 :—

619, 620. *Havana.* The mean daily maximum and minimum and extreme maximum and minimum temperatures are taken from observations at 4h, 6h, 8h, 10h, 12h, 14h, 16h, 18h, 20h, 22h.

1910; 1912–1920 :—

1301. *Chatham Island.* Longitude : *for* 170° 42′ W. *read* 176° 42′ W.

1912 :—

318. *Berens River.* Year, Absolute minimum temperature : *for* 279·1 *read* 231·3.

1913 :—

718. *Mexico.* Year, Absolute minimum temperature : *for* 295·4 *read* 275·4.

1915–1920 :—

751*a*. *Cochin.* Latitude : *for* 10° 58′ N. *read* 9° 58′ N. Station becomes 851*a*.

1917–1920 :—

1301. *Chatham Island.* June, 1917, to December, 1920, Height : *for* 104 m. *read* 45·7 m.

1917–1921 :—

426. *St. John's, Newfoundland.* October, 1917, to December, 1921, Height : *for* 38·1 m. *read* 48·8 m. From October, 1917, until December, 1921, a correction of + 1·3 mb. should be applied to the pressure at M.S.L and to the deviation from normal.

1918 :—

537. *Palma.* April, Pressure : *for* 1011·4; 1014·2; +0·2 *read* 1010·1; 1012·9; − 1·1.

1421. *Islota de los Evangelistas.* Precipitation, diff. from normal : June, *for* +97 *read* +90; Year, *for* −12 *read* −21.

1919 :—

1421. *Islota de los Evangelistas.* Precipitation, diff. from normal : June, *for* +39 *read* +32; Year, *for* −877 *read* −886.

1920 :—

326. *Belle Isle.* Table of Authorities : Period of normals :—*delete* P, 1900–09; '11–13; '17–18.

419. *Port Arthur.* October, Pressure : *for* 991·2; 1014·9; −0·7 *read* 991·6; 1015·3; −0·3.

514. *Modena.* Table of Authorities : Period of normals :—*for* 𝕋, R, 1891–1917 *read* 𝕋, R, 1901–17.

545. *Baghdad.* September, Temperature : diff. from normal :—*for* −0·3 *read* −0·5.

548. *Meshed.* November, Temperature :
Mean max. A :—*for* 284·7 *read* 290·3.
Mean of A & B :—*for* 278·7 *read* 281·4.

648. *Jask.* February, Temperature : diff. from normal :—*for* −0·9 *read* −1·3.

752. *Kodaikanal.* November, Temperature : diff. from normal :—*for* +1·1 *read* +0·3.

755. *Port Blair.* July to December, Height : *for* 17·7 m. *read* 18·0 m.

863. *Meeth, Yap.* Station transferred from Meeth, Yap (H_b 3·4 m.) to Kolonie, Yap (H_b 31·9 m.) on October 11th. Station destroyed by typhoon on December 17th and re-established at height of 36 m. on December 21st.

1030. *Aracaju.* November, Precipitation and diff. from normal :—*for* 22; +1 *read* 2; −19.

1039. *Mossamedes.* Table of Authorities : Remarks :—*for* 𝕋 = ¼ (9+15+M+*m*) *read* 𝕋 = ¼ (9+21+M+*m*).

1105. *Raratonga (Avarua).* Table of Authorities : Period of normals :—*for* 𝕋, 1899–1914 *read* T, 1899–1914.

1421. *Islota de los Evangelistas.* Precipitation, diff. from normal : June, *for* +112 *read* +105. Year, *for* +197 *read* +188.

RÉSEAU MONDIAL, JANUARY 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1921 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — **JANUARY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	1013·9	..	249·8	260·2	31st	240·8	230·8	10th	245·3	..	+0·7	5	— 2
123	Inglefield Bay	77 27	66 40	?	?1008·6	..	+1·8	..	?257·6	27th	..	?235·3	8th	..	*243·5*	..	..	..
124																		
125	Upernivik	72 47	56 7	18·9	1003·8	1006·3	+0·5	254·2	270·6	1st	248·7	243·0	19th, 20th	251·5	*251·1*	+0·2	10	— 1
135	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	997·2	998·7	—8·2	..	271·0	3rd	252·4	243·0	18th	..	256·1	+1·2	22	— 9
140	Björnöen	74 28	19 15	40·5	989·5	994·7	..	..	..	..	..	..	..	..	*262·2*	..	31	..
141	Gjesvaer	71 6	25 22	6·5	992·4	993·2	— 9·5	..	276·8	16th	264·5	258·6	25th	..	*267·6*	—1·8	105	+ 55
142	Mehavn	71 1	27 47	6·4	992·8	993·6	— 8·0	..	275·3	16th	263·9	254·5	31st	..	*266·9*	—1·2	83	+ 16
143	Vardö	70 22	31 8	10·0	993·1	994·4	—10·4	..	274·0	18th	265·1	258·8	30th	..	*267·6*	+0·1	31	— 39
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	994·2	995·7	—13·0	261·1	271·0	7th	252·7	238·9	11th	256·9	*256·7*	..	5	..

Between Latitude 70° N. and 60° N. — **JANUARY—ZONE 2.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
203	Nome	64 30 N.	165 24 W.	6·7	..	1008·1	— 4·1	259·7	269·1	17th	251·3	239·1	1st	255·5	*255·7*	—0·1	56	+ 29
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1016·2	— 2·3	248·1	258·6	19th, 21st	237·0	226·3	2, 3, 14	242·6	*242·7*	—4·1	35	+ 18
206	Rampart	65 30	150 15	122	..	..	..	244·8	258·0	22nd	234·8	224·7	3rd	239·8	..	—4·8	10	— 7
207	Valdez																	
208	Eagle	61 7	146 16	8·2	..	1005·7	— 2·6	268·5	275·2	27th	260·3	247·4	15th	264·4	*264·5*	—0·5	125	+ 27
209	Dawson	64 46	141 12	254	..	1017·3	— 1·6	247·8	271·9	10th	239·2	224·1	14th	243·5	..	—3·0	7	— 4
210	Carcross	64 4	139 20	328	975·3	1021·5	— 1·2	245·2	265·2	11th	237·4	227·4	16th	241·3	..	—1·2	15	— 7
211	Fort Good Hope	60 11	134 34	662	..	..	..	256·2	276·9	11th	244·8	231·9	17th	250·5	..	—3·2	8	— 5
212	Fort Simpson	66 15	128 31	65·2	1010·8	1020·6	..	244·6	253·0	8th, 21st	237·1	228·0	5th	240·9	..	..	10	— 8
213	Hay River	60 51	115 57	161	997·6	1020·0	+ 0·5	252·3	270·8	11th	243·9	231·9	29th	248·1	..	+2·2	10	— 3
225	Jacobshavn																	
226	Godthaab	69 13	51 2	12·6	1000·7	1002·4	— 0·8	258·3	271·7	3rd	253·0	243·7	21st, 22nd	255·7	*255·9*	+0·9	5	— 4
227	Ivigtut	64 11	51 43	9·0	995·5	996·7	— 1·6	264·7	272·0	12th	259·8	253·4	21st	262·3	*262·3*	—0·9	..	..
229	Angmagsalik	65 37	37 33	31·7	993·1	997·2	— 0·6	266·1	277·5	1st	259·3	249·0	12th	262·7	*262·1*	—2·5	37	— 47
231	Stykkisholm																	
232	Vestmanno	65 5	22 46	11·3	991·1	992·5	— 4·9	272·9	279·0	15th	268·8	259·8	24th	270·9	*270·9*	+0·1	19	— 52
233	Grimsey	63 26	20 15	7·7	990·6	991·6	— 6·7	276·6	280·1	3rd, 14th	271·6	262·3	23rd	274·1	*274·4*	—0·1	192	+ 46
233a	Akureyri	66 33	17 58	22·0	993·4	996·2	— 4·4	274·8	278·2	15th	..	..	..	..	*269·3*	—1·9	..	..
234	Berufjord	65 40	18 4	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Thorshavn	64 40	14 19	18·0	993·0	995·3	— 4·7	273·8	280·2	15th	268·4	258·1	23rd, 24th	271·1	*270·8*	—1·2	20	—106
236	Lerwick	62 3	1 6 45 W	26·3	993·2	996·4	— 7·4	277·5	282·9	15th	272·6	263·1	24th	275·1	*275·4*	—1·0	184	+ 13
237	Bergen (Met. Obs.)	60 9	1 8	18·0	997·9	1000·0	— 6·6	280·1	283·0	15, 19, 21	275·2	269·7	24th, 25th	277·7	*277·7*	+0·7	158	+ 50
238	Aalesund	60 24	E 5 19	44·4	994·0	999·5	—10·4	277·8	281·5	21st	273·5	266·6	24th	275·7	*275·8*	+1·4	386	+ 218
239	Trondhjem	62 28	6 10	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
240	Bodö	63 26	10 25	39·5	991·1	996·0	—11·9	274·2	280·0	16th	268·7	259·9	27th	271·5	*271·5*	+1·2	119	+ 33
241	Haparanda	67 17	14 24	22·4	989·8	992·6	—12·5	..	278·6	16th	266·9	260·2	24th	..	*270·3*	—1·1	56	— 34
242	Helsingfors	65 50	24 9	9·2	995·8	997·0	—13·2	264·7	275·5	17th	255·5	242·0	27th	260·1	*260·8*	—0·9	71	+ 32
242a	Kuopio	60 10	24 57	11·7	998·6	1000·0	—14·4	270·8	277·0	7th	264·5	250·6	29th	267·6	268·1	+0·8	117	+ 75
243	Kola	62 54	27 40	90·3	987·8	999·4	—14·0	265·7	276·0	7th	258·8	243·3	29th	262·2	*262·8*	—0·9	45	— 1
244	Petrozavodsk	68 53	33 1	6·7	995·5	996·4	—10·6	262·7	272·9	18th	252·1	238·8	23rd	257·4	*257·5*	—3·9	26	+ 14
245	Arkhangelsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Mezen	64 34	40 31	6·3	997·2	998·0	—13·9	265·4	274·6	17th	257·9	247·6	5th	261·6	*261·9*	+2·4	41	+ 18
247	Oust-Tsyima	65 50	44 16	14·9	995·0	996·9	—13·9	264·1	273·0	18th	256·6	244·0	14th	260·4	*260·9*	+2·8	33	+ 23
248	Tcherdyn	65 25	52 18	? 68	989·5	998·5	—17·9	261·0	272·5	9th, 20th	252·1	233·5	14th	256·6	*256·8*	+2·3	29	..
		60 24	56 31	?177	977·9	1001·1	—18·8	260·8	272·6	10th	253·5	238·8	17th	257·2	*257·2*	+2·6	51	+ 17
249	Berezov																	
250	Obdorsk	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252		61 15	73 24	? 40	1001·5	1006·8	—14·6	..	271·7	24th	252·0	230·1	18th	..	*256·8*	+7·7	49	+ 34
253	Doudinka																	
254	Touroukhansk	69 23	86 4	? 20	1003·4	1006·1	— 9·6	..	266·0	27th	244·0	229·6	15th	..	*248·6*	+5·6	4	— 3
		65 47	87 57	? 45	1004·3	1010·4	—11·9	..	267·5	26th	246·4	225·5	15th	..	*252·3*	+7·6	18	+ 4
261	Viliouisk.																	
262	Iakoutsk	63 45	121 35	120	..	..	..	..	..	..	..	222·8	..	..	*238·5*	+4·5	20	+ 11
263	Verkhoïansk	62 1	129 43	?108	1005·0	1021·1	— 9·6	..	259·9	30th	227·7	217·3	25th	..	*232·3*	+2·7	8	— 1
		67 33	133 23	100	998·7	1013·8	— 9·1	..	262·2	13th	221·6	214·6	10th, 11th	..	*226·0*	+3·5	0	— 4
271																		
272																		
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

JANUARY—ZONE 3. Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1008·8	+ 3·5	270·7	274·7	28th, 29th	266·1	252·4	1st	268·4	..	+0·7	41	— 10
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1011·2	+ 7·6	273·1	277·4	24th	269·8	259·7	13th, 14th	271·4	..	−2·3	18	—117
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	261·4	273·0	20th	252·1	241·3	2nd, 12th	256·8	..	−5·9	9	— 41
306	Kodiak (Radio)	57 46	152 22	6·1	..	1004·0	+ 0·3	272·2	278·6	27th	265·6	253·6	12th	268·9	..	−2·3	‡ 29	— 62
309	Sitka	57 3	135 19	27·4	..	1004·0	— 4·6	275·5	280·2	10th	269·4	261·3	14th	272·4	*272·3*	−0·5	162	— 20
310	Prince Rupert	54 18	130 18	51·8	1001·6	1008·1	— 3·1	276·1	281·9	10th, 11th	271·5	263·0	18th	273·8	*273·7*	+0·6	237	— 10
311	Barkerville	53 2	121 35	1274	859·6	1010·5	— 5·6	269·1	274·1	23, 26, 27	261·9	253·0	16th	265·5	*265·8*	+1·1	122	+ 51
312	Kamloops	50 42	120 29	385	970·7	1019·0	— 4·0	273·6	281·3	14th	266·3	259·1	11th, 21st	269·9	*270·2*	+2·2	17	— 0
313	Calgary	51 2	114 2	1045	887·8	1015·0	— 5·8	271·9	281·3	2nd, 14th	258·0	246·3	17th	264·9	*263·9*	+3·4	23	+ 10
314	Fort Chipewyan	58 42	111 10	218	987·1	1018·3	— 2·0	256·4	270·2	11th, 12th	246·7	231·9	16th	251·6	*251·3*	+3·0	10	— 13
315	Prince Albert	53 10	105 38	442	960·4	1018·1	— 1·9	263·0	271·9	5th, 6th	253·0	235·2	17th	258·0	*257·9*	+6·1	27	+ 7
316	Qu'Appelle	50 30	103 47	645	935·8	1017·8	— 0·5	266·3	276·3	6th	256·3	240·8	17th	261·3	*260·9*	+6·4	9	— 5
317	Minnedosa	50 15	99 50	515	952·8	1019·6	— 1·2	263·6	273·6	6th	253·6	236·9	17th	258·6	*258·1*	+4·7	17	— 2
318	Berens River	52 18	97 23	210	..	..	..	262·7	269·7	23rd, 31st	252·6	235·2	18th	257·7	..	+6·5	43	+ 21
318a	Port Nelson	57 4	92 36	14·9	1016·4	1018·4	+ 1·0	251·3	266·3	6th	243·6	235·2	17th, 27th	247·4	..	+3·3	18	— 9
319	Fort Hope	51 33	87 49	‡260	984·4	1020·6	..	260·4	273·6	20th	254·5	235·2	31st	257·4	‡*255·7*	+5·8	38	+ 10
320	Moose Factory	51 14	80 30	9·1	1018·3	1019·5	+ 1·9	260·8	276·3	20th	248·6	235·2	16th, 31st	254·7	..	+1·5	20	— 9
321	Fort George	53 50	79 5	97·5	..	..	..	257·1	268·6	7th	246·0	235·2	31st	251·5	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	261·3	273·6	2nd	247·9	232·1	16th	254·6	..	+2·8	89	+ 32
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	264·2	273·6	15th	251·4	242·4	29th	257·8	..	+0·1	118	+ 35
326	Belle Isle	51 53	55 23	133	..	..	..	264·3	274·7	15th	255·4	245·2	19th	259·8	*259·6*	−0·3	15	— 40
333	53°—48° N. 20°—15° W.	†† 50 3	†† 17 34	§(65–77)	..	1012·3	..	..	..	Sea Temp. 284·2 +0·2	..	..	..	..	283·8	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1011·9	1013·6	— 0·3	283·8	285·8	9th	280·2	274·1	14th	282·0	282·2	+2·3	135	— 13
335	Aberdeen	57 10	W 2 6	26·8	1001·5	1004·8	— 5·0	280·7	285·8	21st	275·4	271·9	14th	278·1	278·0	+1·5	32	— 22
336	Greenwich	51 28	0 0	46·3	1010·0	1015·6	— 1·0	283·0	286·3	9th	278·0	271·3	15th	280·5	280·8	+4·1	44	+ 1
337	Uccle	50 48	E 4 22	100	1005·2	1017·5	+ 0·5	282·2	286·1	1st	276·9	268·5	15th	279·5	279·3	+4·5	80	+ 16
338	De Bilt	52 6	5 11	3·0	1014·4	1014·8	— 1·2	281·8	285·6	2nd	276·4	267·7	15th	279·1	279·2	+5·0	85	+ 27
338a	Hamburg	53 33	9 58	**	‡1006·2	1011·2	— 0·3	280·0	283·5	2, 10, 11	275·6	269·7	25th	277·8	*278·0*	+5·0	138	+ 87
339	Copenhagen	55 41	12 36	5·0	1005·9	1006·5	— 8·7	278·1	282·8	10th	274·1	268·6	28th	276·1	*276·6*	+3·3	71	+ 32
340	Potsdam	52 23	13 4	84·9	1002·7	1013·2	— 4·5	279·6	285·4	2nd	274·4	265·6	25th	277·0	277·1	+5·1	93	+ 53
340a	Uppsala	59 51	17 38	24	997·2	1000·2	—12·6	273·3	278·5	7th	266·1	255·1	28th	269·7	*270·1*	+1·1	73	+ 41
341	Warsaw	52 13	21 1	133	995·1	1011·6	— 7·0	277·8	283·5	10th	272·8	265·6	24th	275·3	275·5	+6·1	57	+ 27
342	Dorpat (Jurjev)	58 23	26 43	74·5	993·2	1002·7	—12·5	270·3	276·5	8th	264·2	254·4	29th	267·3	267·5	+1·1	49	+ 18
343	Petrograd	59 56	30 16	4·8	1000·6	1001·2	—14·1	268·3	276·5	8th	262·3	251·7	29th	265·3	*265·3*	+0·5	50	+ 26
344	Kiev	50 27	30 30	183	989·0	1011·6	— 8·9	275·1	282·6	11th	268·8	256·9	29th	272·0	*271·9*	+5·0	42	+ 10
344a	Moscow	55 50	37 33	167	985·2	1006·7	—12·6	266·9	276·1	8th, 12th	258·5	241·8	31st	262·7	*263·2*	+0·6	28	— 5
345	Saratov	51 33	45 57	?122	995·8	1011·7	—11·6	266·6	276·6	11th	258·8	247·6	6th	262·7	*263·0*	+1·1	18	— 8
346	Kazan	55 47	49 8	79·9	997·4	1007·9	—13·5	265·3	275·9	9th	257·3	244·8	15th, 31st	261·3	*261·1*	+2·0	54	+ 30
347	Orenburg	51 45	55 6	109	1000·3	1014·6	—10·5	265·2	274·2	12th, 13th	256·6	243·4	6th	260·9	*261·1*	+3·6	20	— 0
348	Perm	58 1	56 16	163	985·9	1007·2	—13·9	263·7	273·4	13th	255·9	241·1	15th	259·8	*259·5*	+2·6	53	+ 10
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	971·8	1008·1	—15·3	264·8	273·7	13th	256·1	245·1	5th	260·4	*260·7*	+4·2	26	+ 10
350	Tobolsk	58 12	68 14	108	995·9	1010·2	—11·3	262·9	274·1	13th	254·0	238·5	6th	258·4	*258·4*	+4·9	21	+ 5
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1003·0	1017·5	— 8·6	..	..	..	274·4	13th	2nd	..	*257·0*	+4·5	7	— 7
353	Barnaoul	53 20	83 48	162	1007·5	1029·3	— 2·5	262·8	275·1	27th	251·4	232·5	2nd	257·1	*257·5*	+3·5	50	+ 31
354	Tomsk	56 30	84 58	122	1007·2	1023·0	— 4·3	..	274·6	26th	254·5	239·7	1st	..	*259·2*	+6·1	24	— 0
355	Minousinsk	53 43	91 41	249	998·8	1032·6	— 2·0	..	271·5	21st	248·8	232·8	5th	..	*254·7*	..	8	— 1
356	Eniseisk	58 27	92 10	77·6	1013·1	1023·5	— 5·6	..	273·0	14th	253·6	236·1	3rd	..	*258·9*	+8·8	16	— 4
357	Irkutsk	52 16	104 19	467	970·8	1032·9	— 0·9	261·6	271·6	22nd	250·4	239·2	3rd	256·0	*255·8*	+3·8	7	— 0
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	971·6	1023·4	..	255·0	267·4	30th	240·9	229·4	11th	248·0	*248·3*	..	1	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1001·8	1021·2	— 3·6	257·0	266·7	31st	245·4	236·1	10th	251·2	*251·1*	+3·1	0	— 2
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	997·4	1008·7	+ 4·9	..	271·5	16th	261·5	250·8	7th, 10th	..	*263·8*	+1·9	53	— 19
369																		
371	Attu Island	52 56	173 13	4·9	..	1002·4	+ 1·7	273·8	280·2	22nd	267·7	263·6	6, 18, 21	270·8	..	..	221	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations. ** Height changed from 26·0 m. to 40·3 m. from January 8th.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N. **JANUARY—ZONE 4.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1004·4	1013·1	— 2·2	279·7	284·1	14th	275·2	271·3	10th	277·4	277·4	+0·2	141	+ 26
412	Portland, Oregon	45 32	122 41	46·6	1011·5	1016·9	— 1·2	281·0	286·9	4th	275·7	270·2	11th	278·3	*278·2*	+1·3	199	+ 31
413	Macleod	49 44	113 24	953	..	..	..	273·9	281·9	3rd	262·9	248·6	16th	268·4	*268·4*	+3·4	31	+ 14
414	Helena	46 34	112 4	1253	870·9	1016·6	— 4·2	276·3	284·1	18th	267·4	258·6	11th	271·9	*272·0*	+5·7	9	— 16
414a	Salt Lake City	40 46	111 54	1329	869·1	1020·0	— 1·1	278·8	287·4	5th	271·3	264·1	12th	275·1	*275·3*	+4·0	37	+ 3
415	Cheyenne	41 8	104 48	1856	811·0	1019·6	+ 1·2	276·7	286·9	5th	265·1	253·0	11th	270·9	*271·0*	+1·6	37	+ 27
416	North Platte	41 8	100 45	859	918·6	1021·3	+ 0·9	278·0	287·4	19th	265·9	257·4	26th	271·9	*271·8*	+4·7	17	+ 6
416a	Bismarck	46 47	100 38	511	956·4	1019·6	— 1·2	271·9	285·2	15th	259·4	249·7	16th	265·7	*265·4*	+6·5	3	— 10
417	Winnipeg	49 53	97 7	232	988·8	1019·5	— 0·3	264·1	273·6	6th	254·1	236·9	17th	259·1	*258·6*	+6·3	29	+ 8
418	Duluth	46 47	92 6	345	975·8	1019·3	+ 0·6	268·5	279·1	19th	260·4	245·8	12th	264·4	*264·3*	+4·9	5	— 24
419	Port Arthur	48 27	89 12	196	993·9	1019·3	+ 1·2	269·1	277·4	19th, 20th	258·6	244·1	18th	263·8	*263·6*	+5·7	16	— 3
420	Chicago	41 53	87 37	251	989·8	1021·0	+ 2·2	276·2	286·3	21st	270·3	259·7	17th	273·2	*273·5*	+4·6	25	— 28
421	Toronto	43 40	79 24	116	1005·7	1020·6	+ 3·1	274·1	283·6	20th	266·3	252·4	18th	270·2	270·2	+2·7	17	— 56
422	New York (Central Park)	40 47	73 58	47·4	1015·0	1021·0	+ 0·2	277·9	286·9	2nd	269·7	257·4	19th, 25th	273·8	273·7	+1·3	75	— 14
423	St. John, N.B.	45 17	66 4	36·2	1011·2	1015·9	+ 0·3	271·3	281·3	15th	262·4	252·4	19th	266·9	266·8	+1·0	80	— 42
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·1	1012·3	+ 0·4	267·2	274·1	3rd, 15th	258·4	248·8	31st	262·8	*262·9*	+0·4	77	+ 22
424a	Sable Island (Main Station)	43 57	60 6	7·6	1013·5	1014·5	— 0·2	274·2	280·8	15th	269·7	263·6	19th	271·9	*271·9*	−0·4	84	— 58
425	Port aux Basques	47 35	59 10	9·1	1009·7	1010·9	— 0·2	269·7	277·4	15th	263·0	256·9	31st	266·3	*266·2*	−0·7	117	— 30
426	St. John's, Newfoundland	47 34	52 42	38·1	1002·7	1007·6	— 2·2	269·7	280·8	15th	263·6	254·7	20th	266·6	*266·9*	−2·1	89	— 57
										Sea Temp. 284·4—1·1							
430	50°-45° N. 35°-30° W.	†† 47 39	†† 32 31	§(83–97)	..	1008·7	..	..	..	..	..	..	..	..	283·2	..	..	..
435	Madrid	40 24	3 41	667	948·3	1028·7	+ 4·7	282·4	287·0	9th	274·1	269·5	17th	278·2	*278·0*	+0·6	9	— 17
436	Nantes	47 15	W 1 34	36·5	1017·7	1022·3	+ 4·1	283·5	289·0	1st	279·4	270·9	16th, 17th	281·5	281·4	+3·9	52	— 6
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1015·0	1021·3	+ 2·9	282·4	288·2	1st	277·2	267·0	17th	279·8	280·0	+4·7	21	— 18
438	Marseille	43 18	5 23	75	..	1021·0	+ 4·0	286·0	290·1	4th	277·4	270·3	17th	281·7	*281·2*	+1·9	1	— 40
438a	Zürich	47 23	8 33	493	963·5	1023·5	+ 1·8	280·3	285·5	1st	274·5	268·0	17th	277·4	277·1	+5·6	53	0
439	Rome	41 54	12 27	45·5	1013·9	1019·2	+ 1·8	286·3	288·7	4th	278·8	274·6	30th	282·6	*282·0*	+2·3	25	— 54
440	Vienna	48 15	16 22	203	993·8	1018·8	— 1·8	280·4	285·8	1st	275·1	266·8	26th	277·7	277·8	+7·0	67	+ 30
440a	Budapest	47 31	19 2	130	1002·2	1018·4	— 2·6	280·7	286·8	30th	274·9	265·1	26th	277·8	*277·4*	+6·2	39	+ 1
441	Sofia	42 42	23 20	550	954·2	1021·0	— 0·1	280·2	286·9	2nd	272·1	264·3	26th	276·1	*276·0*	+5·0	23	— 11
442	Bucharest	44 25	26 6	82	1008·6	1018·9	— 2·7	280·3	287·3	15th	272·4	265·4	29th	276·3	275·9	+6·4	41	+ 10
443	Odessa (University)	46 29	30 46	65·3	1008·5	1016·7	— 4·4	277·7	285·8	14th	272·1	264·5	29th	274·9	*274·8*	+5·0	0	— 26
444	Kharkov (University)	50 0	36 14	140	994·2	1012·0	—10·4	271·4	277·7	11th, 12th	264·4	254·6	6th	268·2	*268·2*	+3·0	45	+ 11
444a	Novorossiisk	44 43	37 49	37·1	1013·4	1018·0	— 1·9	279·7	283·6	20th	273·9	265·9	26th	276·8	*277·1*	+2·1	101	+ 31
445	Tiflis	41 43	44 48	404	971·8	1021·4	— 2·1	278·9	283·7	21st	271·1	265·8	1st	275·0	274·7	+1·5	3	— 12
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 5·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Kasalinsk	45 46	62 7	67	1013·9	1022·7	— 3·1	268·7	276·6	26th	259·5	247·4	9th	264·1	*264·9*	+3·8	7	— 1
450	Tachkent	41 20	69 18	478	966·0	1025·5	— 0·8	278·6	286·0	27th	266·8	256·0	11th	272·7	*271·7*	−0·1	48	— 3
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	272·7	282·2	22nd	260·9	255·2	30th	266·8	*266·8*	..	42	..
461	Moukden	41 48	123 23	43·8	1021·9	1027·7	— 0·2	269·9	280·4	23rd	256·5	246·5	3rd	263·2	262·7	+3·2	2	— 2
462	Joshin	40 40	129 11	31·9	1017·5	1021·6	— 0·3	275·3	281·8	16th	266·3	259·9	8th	270·8	270·7	+4·0	13	— 12
463	Yuki	42 20	130 24	65·6	1013·0	1021·5	— 0·4	271·2	278·5	20th	262·6	257·0	3rd	266·9	266·9	+3·4	1	— 4
464	Vladivostok	43 7	131 55	128	1005·1	1022·1	— 1·5	265·9	274·9	16th	256·8	248·3	26th	261·3	261·0	+1·7	7	0
465	Ochiai	47 20	142 46	6·6	1010·2	1011·1	— 4·2	264·6	275·0	19th	247·7	234·5	8th	256·1	257·2	−1·9	26	— 16
466	Nemuro	43 20	145 35	26·7	1008·1	1011·5	— 0·5	271·5	278·8	20th	264·7	258·9	30th	268·1	268·2	+0·1	46	+ 11
466a	Syana	45 14	147 53	39·3	1004·4	1009·5	— 1·2	270·0	278·9	20th	264·2	257·2	31st	267·1	267·2	−0·4	87	— 11
		N.	E.															

Between Latitude 40° N. and 30° N. **JANUARY—ZONE 5 (Western Half).**

511	San Francisco	37 48	122 26	47·2	1014·1	1020·0	+ 0·3	285·5	289·1	4th	279·9	276·9	8th	282·7	*282·7*	0·0	160	+ 35
512	San Luis Obispo	35 18	120 39	61·3	1013·1	1020·6	+ 1·0	288·2	297·4	14th	277·3	269·7	11th	282·8	*282·8*	−1·4	157	+ 17
513	San Diego	32 43	117 10	26·5	1016·5	1020·0	+ 1·8	289·1	297·4	15th	280·9	276·3	12th	285·0	*284·5*	−0·7	51	— 5
514	Modena	37 48	113 54	1670	834·4	1020·0	— 0·3	278·1	287·4	15th	264·2	254·1	12th	271·2	*271·0*	+0·6	32	+ 6
515	Santa Fé	35 41	105 57	2138	787·5	1020·3	+ 1·7	278·6	285·8	18th	267·9	260·2	13th	273·2	*273·0*	+1·9	34	+ 16
516	Denver	39 45	105 0	1613	836·6	1018·6	+ 0·8	279·6	290·2	15th	268·4	260·2	12th	274·0	*274·7*	+3·3	20	+ 9
517	Abilene	32 23	99 40	530	958·7	1021·0	+ 1·4	289·6	299·1	4th	276·5	265·8	13th	283·0	*282·2*	+3·3	17	— 2
518	Saint Louis	38 38	90 12	173	1000·4	1021·7	+ 1·4	280·8	292·4	21st	273·2	261·9	17th	277·0	*277·0*	+4·6	28	— 37
519	Mobile	30 41	88 2	17·4	1020·9	1023·0	+ 2·2	291·4	296·3	30th	281·3	274·7	10th	286·3	*285·7*	+2·8	48	— 68
520	Nashville	36 10	86 47	166	1003·4	1023·7	+ 2·6	283·5	293·6	21st	274·9	267·4	27th	279·2	*279·3*	+3·0	79	— 40
521	Charleston	32 47	79 56	14·6	1020·9	1022·7	+ 1·6	288·7	295·8	22nd	279·4	271·9	19th	284·0	*283·5*	+0·9	40	— 42
522	Washington	38 54	77 3	34·1	1018·1	1022·3	+ 2·1	279·8	292·4	22nd	271·3	261·3	19th	275·6	*275·3*	+1·8	58	— 29
523																		
524	Bermuda	32 17	64 46	46·0	1014·7	1020·2	+ 0·5	293·0	295·8	4th, 5th	286·3	280·8	20th	289·7	*289·4*	−0·9	152	+ 41
530	Santa Cruz (Flores)	39 27	31 9	28	1019·7	1022·8	+ 2·0	289·3	291·5	2nd, 3rd	284·7	279·3	15th	287·0	*287·2*	−0·2	132	— 84
531	Horta	38 32	28 38	65	1017·1	1024·3	+ 2·7	289·5	291·3	26th	285·6	281·0	16th	287·6	287·6	−0·1	63	— 56
532	Ponta Delgada	37 44	25 40	22	1024·3	1026·1	+ 4·1	289·2	290·4	23rd, 26th	286·2	282·9	15th	287·7	287·9	+0·5	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	118	+ 4
533	Madeira (Funchal)	32 37	16 54	25	‡1025·5	‡1028·5	+ 6·7	292·4	295·9	3rd	286·2	284·0	24th	289·3	*289·3*	+1·1	0	— 87
534																		
535	Lisbon	38 43	9 9	95	1016·0	1027·6	+ 6·3	287·1	289·5	9th	281·7	279·1	15th	284·4	*284·2*	+0·9	28	— 66
535a	Melilla	35 18	2 59	8	1026·5	1027·5	+ 6·7	290·7	294·0	12th	279·5	276·5	18th	285·1	*286·9*	−0·6	15	— 61
536	Gibraltar	36 6	5 21	16·2	1024·9	1026·8	+ 5·6	289·4	294·7	4th	281·6	278·6	15th, 16th	285·5	*285·6*	−0·2	30	— 99
536a	Colomb Béchar	31 6	4 6	786	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

JANUARY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1021·4	1024·2	+ 4·9	286·9	289·8	24th	277·7	274·4	18th	282·3	..	−1·2	13	−30
538	Algiers (Bouzaréah)	36 48	3 2	342	984·0	1024·4	+ 4·4	285·9	291·1	1st	280·9	276·8	17th	283·4	283·3	+0·7	54	−48
539	Tunis	36 48	10 10	21	1020·2	1022·7	..	288·5	291·6	13th, 25th	280·5	275·8	17th	284·5	*284·2*	+2·1	41	−12
539*a*	Malta	35 54	14 31	56·4	..	1019·8	+ 2·7	288·3	290·7	2nd	284·1	280·4	20th	286·2	*285·8*	+0·3	69	−13
540	Riposto	37 41	15 14	14·2	..	1021·6	+ 2·6	287·5	289·8	25th	282·3	279·0	20th, 21st	284·9	*284·4*	+0·2	50	−56
541	Athens	37 58	23 43	107	1006·1	1019·1	+ 1·1	287·4	292·5	1st	279·7	273·0	29th	283·6	283·5	+2·3	27	−28
542	Alexandria	31 12	29 53	32·0	1015·1	1019·0	+ 0·9	292·7	296·4	18th	284·4	276·3	30th	288·5	*288·3*	+1·3	23	−31
543φ	Nicosia (P.W.D.)	35 9	33 22	159	999·4	1018·4	+ 1·1	?287·9	?292·4	20th	277·7	271·9	26th, 27th	?282·8	..	0·0	39	−25
544	Beirut	33 54	35 28	33·7	..	1018·2	+ 0·4	289·1	292·8	19th	284·0	279·5	27th	286·5	*286·5*	+0·4	98	−93
545	Baghdad	33 21	44 28	38·1	1015·5	1020·3	− 1·0	287·4	293·1	13th	277·7	271·9	28th	282·5	*282·4*	+0·1	43	+ 14
546	Lenkoran	38 46	48 51	−20·0	1022·6	1020·2	− 2·3	..	286·9	25th	273·5	270·9	1st	..	*276·7*	+0·5	28	−67
547	Tehran	35 41	51 25	1220	..	..	..	281·7	287·7	23rd, 24th	270·3	265·2	28th, 29th	276·0	*275·6*	+1·4	15	−26
548	Meshed	36 16	59 35	946	..	..	..	281·8	293·5	5th	269·2	265·9	29th	275·5	..	+1·9	7	−11
549	Seistan	31 0	61 30	?	..	..	..	287·8	297·9	26th	272·6	269·1	7th	280·2	..	..	6	..
550	Quetta	30 11	67 3	1677	835·8	..	+ 1·0	284·0	290·9	5th	268·9	264·8	7th, 8th	276·4	*276·0*	−0·9	15	−36
551	Peshawar	34 2	71 37	339	980·4	1021·6	+ 0·7	291·8	294·6	7, 12, 31	277·1	274·1	8th	284·4	*283·3*	+0·7	19	−21
551*a*	Lahore	31 34	74 20	214	992·7	1018·9	+ 0·2	294·1	296·9	10th	278·3	275·3	1st	286·2	*285·4*	+0·8	0	−28
552	Simla	31 7	77 8	2205	782·0	..	+ 1·3	281·2	285·7	6th	275·4	271·7	22nd	278·3	*277·9*	+0·6	102	+ 31
552*a*	Leh	34 10	77 42	3503	664·9	..	+ 0·7	272·2	278·1	7th	260·8	254·1	26th	266·5	*265·4*	+0·5	4	− 5
559	Hankow	30 35	114 17	37·0	1026·3	1031·0	+ 2·8	279·8	289·0	20th	271·5	263·1	3rd	275·7	*275·1*	−2·0	21	−15
560	Tientsin	39 10	117 10	5·0	1029·5	1030·2	+ 1·4	275·8	285·1	30th	264·3	257·1	3rd	270·1	*270·0*	+1·4	4	− 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1028·4	+ 1·9	281·5	290·1	24th	273·4	266·7	15th	277·4	276·7	+0·5	17	−34
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1017·4	1026·2	+ 1·4	275·1	281·8	24th	267·6	261·9	12th	271·4	270·8	+1·4	11	− 0
562*a*	Nagasaki	32 44	129 52	133	1006·8	1023·2	+ 1·3	283·1	289·1	2nd	276·3	272·8	14th	279·7	279·6	+0·8	58	−10
563	Kyoto	35 1	135 44	42·9	1015·4	1020·8	+ 1·9	282·3	286·2	24th	272·5	269·2	16th	277·4	276·6	+1·1	121	+ 50
564	Tokyo	35 41	139 45	21·3	1014·4	1017·0	+ 0·7	282·4	290·6	20th	272·4	267·9	10th	277·4	277·0	+0·9	57	+ 1
565	Kanayama	37 53	140 46	24·6	1013·3	1016·4	+ 0·2	279·5	285·1	20th	270·2	264·1	1st	274·9	274·7	+1·0	44	−11
566	Miyako	39 38	141 59	30·4	1011·1	1015·0	0·0	279·3	285·8	2nd	268·5	262·2	18th	273·9	273·3	+1·0	88	+ 17
		N.	E.															

JANUARY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1020·6	+ 4·7	294·7	297·4	8th	289·4	285·8	30th	292·1	*291·7*	..	32	..
605	Honolulu	21 19	157 52	11·6	1015·6	1016·9	+ 1·0	297·1	299·7	..	292·4	290·2	..	294·7	*294·8*	+0·2	253	+15
614	La Paz	24 10	110 20	12	1013·8	1015·2	..	296·8	301·6	6th	283·0	280·4	25th	289·9	..	..	0	..
615	Chihuahua	28 38	106 4	1423	862·3	1020·5	..	291·9	296·0	20th	275·4	265·7	13th	283·6	*283·4*	..	0	..
616	Leon	21 7	101 41	1809	823·1	1015·7	+ 1·3	294·7	299·8	24th	278·9	271·5	16th	286·8	*287·4*	+0·7	0	− 8
616*a*	Monterry	25 40	100 18	528	958·3	1019·0	..	296·9	303·0	4th	284·9	278·0	10th	290·9	*288·9*	..	3	..
617	Tulancingo	20 5	98 22	2180	794·0	..	..	289·5	293·0	..	277·0	269·0	..	283·2	283·3	−1·4	0	−17
618	Galveston	29 18	94 50	16·5	1020·6	1022·7	+ 2·3	290·2	294·7	5th	284·9	278·6	27th	287·6	*287·4*	+2·9	70	+ 11
618*a*	New Orleans	29 57	90 4	16·2	..	1023·3	+ 2·9	292·5	297·4	8th	283·7	275·8	27th	288·1	*287·3*	+2·6	29	−85
619	Merida, Yuc.	20 58	89 38	22	1017·5	1020·1	..	300·1	304·4	5th	291·2	287·0	29, 30, 31	295·6	*295·0*	..	21	..
620	Havana	23 8	82 21	24·3	..	1020·6	+ 2·1	299·4	303·7	2nd	292·5	288·8	30th	296·0	*295·3*	+0·8	19	−40
620*a*	Key West	24 33	81 48	6·7	1020·3	1021·0	+ 1·8	296·9	301·3	3rd	291·9	286·3	16th	294·4	*293·6*	+0·2	48	− 5
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	296·6	..	..	288·0	..	..	292·3	*292·2*	−2·8	4	−51
622	Watling Island	24 6	74 26	33·5	1016·7	1020·6	+ 2·5	..	..	..	..	..	..	..	*295·9*	..	..	..
633	Izaña	28 19	16 30	2367	771·5	..	..	281·9	287·0	3rd	274·4	269·7	22nd	278·2	*277·8*	+1·5	0	..
634	La Laguna	28 28	W16 20	547	960·9	1025·4	+ 5·5	290·5	297·2	6th	281·6	277·0	20th	286·0	*285·4*	+0·7	34	−70
641	Siwa	29 12	E 25 29	−23	1022·7	1019·9	..	293·5	296·0	6th	278·2	273·9	18th	285·8	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	1005·1	1019·1	+ 0·4	291·5	296·8	5th	281·5	276·3	30th	286·5	*286·2*	+0·3	18	+ 8
643*a*	Aswan	24 2	32 53	99·6	1006·2	1018·0	+ 0·2	296·1	302·5	6th, 21st	282·2	278·0	31st	289·2	*288·6*	+0·6	..	..
644	Tor	28 14	33 37	1·9	1017·6	1017·9	+ 0·6	293·4	296·9	6th, 20th	280·9	277·6	31st	287·2	*286·8*	−0·1	3	..
647	Bushire	28 59	50 53	4·3	1018·9	1019·6	+ 0·8	290·6	297·6	25th	283·9	281·3	13th	287·2	*287·0*	−0·2	47	− 20
648	Jask	25 44	57 47	4·0	1018·1	1018·6	+ 0·9	297·4	298·7	4 days	285·9	280·2	27th	291·7	*291·5*	−0·9	0	− 23
649	Karachi	24 53	66 57	4·0	1017·8	1018·3	+ 0·4	297·6	300·4	8th	286·9	283·8	18th	292·3	*292·1*	−0·2	1	− 15
650	Jacobabad	28 17	68 29	56·7	1011·9	1018·7	+ 0·3	294·7	298·1	30th, 31st	279·3	274·3	18th	287·0	*286·3*	−0·5	0	− 7
651	Jaipur	26 56	75 52	436	967·8	1019·3	+ 0·4	297·5	302·1	7th	281·7	277·6	2nd	289·6	*289·0*	+0·5	10	− 1
652	Nagpur	21 8	79 5	310	981·1	1017·1	+ 0·3	303·1	306·2	17th	285·9	281·3	26th	294·5	*294·1*	+0·6	10	+ 1
653	Allahabad	25 25	81 51	94·1	1007·1	1017·9	+ 0·8	298·1	303·2	14th	283·1	278·9	5th	290·6	*289·7*	+1·4	51	+ 31
653*a*	Darjeeling	27 3	88 18	2266	777·3	..	+ 1·3	282·5	287·0	15th	275·3	272·2	2nd, 26th	278·9	*278·5*	+1·1	98	+ 82
654	Calcutta	22 36	88 23	6·4	1015·9	1016·8	− 0·1	298·5	302·8	20th	287·2	282·4	4th	292·8	*292·5*	+1·1	53	+ 44
655	Gauhati	26 8	91 41	59·7	1011·4	1018·5	+ 0·6	297·3	299·4	21st	283·6	280·1	4th	290·4	*289·7*	+0·8	38	+ 30
655*m*	Cherrapunji	25 15	91 42	1314	871·2	..	+ 0·8	289·8	295·0	12th	283·7	280·1	26th	286·7	*286·1*	+2·3	28	+ 14
655*a*	Akyab	20 11	92 56	6·1	1014·1	1014·7	− 0·5	300·1	303·4	21st	287·7	281·9	4th	293·9	*293·4*	−0·3	15	+ 14
656	Mandalay	21 59	96 0	76·2	1007·6	1016·6	+ 0·7	303·4	305·8	18th	287·5	283·7	3rd	295·5	*294·8*	+1·2	17	+ 10
656*a*	Tengyueh	25 2	98 33	1625	836·8	1015·9	+ 0·2	289·7	294·1	22nd, 23rd	273·1	269·1	2nd	281·4	*280·7*	−0·2	65	+ 54
657	Phu Lien	20 48	106 38	116	1007·3	1021·2	+ 3·2	292·6	298·4	27th	280·0	281·4	15th	289·3	288·6	−1·7	76	+ 49
658	Moncay	21 31	107 51	9	1020·8	1021·9	+ 3·0	292·4	299·5	26th	283·4	275·9	15th	287·9	*288·5*	−1·7	69	+ 31
659	Hongkong	22 18	114 10	33·2	..	1021·2	+ 1·4	290·9	297·3	26th	285·3	280·1	14th	288·1	287·9	−0·5	5	−30
660	Amoy	24 27	118 4	ca.3	1023·3	1023·7	+ 0·9	291·8	295·8	28th	285·2	280·8	15th	288·5	*288·2*	+0·7	17	− 10
661	Taiholku, Formosa	25 2	121 31	9·3	1021·4	1022·6	+ 1·5	292·8	300·1	10th	285·8	279·1	20th	289·3	288·9	+0·7	32	− 61
661*a*	Basco	20 28	121 59	18·7	1013·2	1015·6	+ 0·4	..	..	..	293·3	289·3	15th	..	*295·7*	+0·4	268	+ 32
662	Naha	26 13	127 41	10·5	1020·0	1021·4	+ 1·4	292·8	298·4	1st, 28th	286·6	281·3	21st	289·7	289·4	+0·3	163	+ 27
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1018·0	1018·4	+ 0·8	294·7	298·0	1st	288·4	282·6	31st	291·5	291·5	+0·8	95	− 27
		N.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. φ For Cairo *see* No. 643.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	509	957·8	1014·9	..	302·4	305·0	27th	292·4	290·0	1st, 22nd	297·4	*296·8*	..	0	..
716	Morelia	19 42	101 7	1923	811·6	1014·2	..	291·7	294·3	12th	283·5	280·4	20th	287·6	*287·6*	..	0	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·5	..	+ 1·3	292·9	295·6	30th	276·4	270·8	18th	284·7	284·3	−0·4	0	− 9
718	Salina Cruz	16 12	95 12	56	1007·9	1014·4	..	302·2	305·2	13th	295·1	290·9	29th	298·6	*298·1*	..	0	..
719	San Salvador	13 42	89 13	682	937·1	1013·2	+ 1·6	304·7	307·0	23rd	287·9	283·0	29th	296·3	*294·4*	−0·7	7	0
720	Belize	17 29	88 12	5·2	1017·9	1018·5	+ 2·6	..	..	..	292·2	287·4	29th	..	‡*295·2*	..	284	+120
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·3	+ 0·7	302·3	304·9	29th	293·6	291·1	26th	297·9	*297·7*	+0·3	116	+ 80
722	Port au Prince	18 33	72 20	37·4	1012·1	1016·4	+ 0·7	304·0	306·8	12th	293·6	291·7	24th	298·8	*298·3*	+0·6	49	+ 18
723	Caracas	10 30	66 55	1042	900·5	1015·9	+ 1·4	297·6	300·0	25th, 30th	286·1	282·5	3rd	291·8	*290·5*	−0·7	25	+ 3
724	Montserrat	16 41	62 9	39·6	1011·5	1016·1	− 0·1	301·3	303·6	27th	294·1	293·0	sev. dates	297·7	*297·2*	+0·2	131	+ 14
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡996·4	‡1014·3	+ 1·0	301·2	303·6	1st, 23rd	295·6	293·6	17th	298·4	*298·0*	+0·4	73	− 40
725	Barbados	13 8	59 36	55·2	..	1014·8	+ 0·5	301·4	302·4	25th	294·4	291·0	3rd	297·9	*297·1*	+0·4	19	− 67
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·0	1015·3	+ 0·1	297·3	298·5	21st, 22nd	..	..	..	*293·9*	−0·8	0	− 5	
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·7	1015·3	+ 0·2	297·9	300·2	2nd	293·0	291·6	30th	295·4	*295·6*	+0·1	0	− 3
733	Bathurst	13 27	16 36	1·8	1013·7	1013·9	+ 1·5	303·3	305·2	6th	288·9	287·4	13th, 14th	296·1	*295·9*	−0·1	0	0
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	304·2	306·9	29th	288·9	286·3	24th, 25th	296·5	..	−1·8	0	− 1
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	0	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	304·1	307·4	30th, 31st	..	..	..	..	‡*293·4*	−2·0	0	0
738	Kaduna Capital	10 32	7 25	637	944·4	1016·3	+ 1·4	303·6	307·4	12th	287·3	285·2	3, 24, 31	295·5	*295·2*	−0·3	0	0
739	Hadeija	12 40	10 5	?	..	..	..	304·4	310·8	11th	282·0	278·0	30th	293·2	*292·9*	−2·0	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	304·1	310·8	11th	285·3	282·4	26th, 28th	294·7	*294·4*	−1·5	0	0
741	El Fasher	13 32	25 18	730	..	..	..	302·8	308·4	20th	281·5	276·0	31st	292·2	*290·8*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	302·1	307·2	7th	281·0	277·1	25th	291·6	*291·2*	−1·4	0	0
743*a*	Khartoum	15 37	32 33	390	969·0	1013·4	+ 0·6	301·8	306·8	20th	287·2	280·5	31st	294·5	*296·0*	+0·5	0	0
744	Port Sudan	19 37	37 13	5·5	1014·8	1015·5	+ 0·7	299·0	302·1	7th	292·8	285·4	31st	295·9	*295·8*	−0·1	0	− 11
745	Berbera, Somaliland	10 22	45 2	9·5	1015·0	1016·0	+ 0·2	303·7	306·9	14th	292·3	290·2	17th	298·0	*298·5*	+0·1	0	− 3
746	Aden	12 45	45 3	28·7	1012·7	1016·0	− 0·3	299·3	300·9	28th	295·1	293·5	9, 18, 27	297·2	*296·6*	−0·4	0	− 9
751	Bombay	18 54	72 49	11·3	1013·1	1014·5	− 0·8	301·8	305·7	5th	292·9	288·9	22nd	297·3	296·6	+0·3	0	− 2
752φ	Kodaikanal	10 14	77 28	2343	771·8	..	− 0·2	289·9	293·9	1st	282·0	278·6	27th	285·9	*286·0*	+0·1	345	+283
752*a*	Bangalore	12 59	77 38	920	912·8	1014·6	− 0·4	301·2	303·4	25th	288·8	284·6	6th	295·0	*294·5*	+1·8	20	+ 13
753	Madras	13 4	80 14	6·7	1013·7	1014·5	− 0·9	302·1	303·9	3rd	294·9	291·6	31st	298·5	*298·1*	+1·1	139	+110
754	Vizagapatam	17 42	83 19	11·6	1014·7	1016·1	− 0·1	299·8	301·3	20th	293·7	289·9	6th	296·8	*296·4*	..	44	+ 31
755	Port Blair	11 40	92 40	18·0	1010·1	1012·2	− 1·3	302·9	304·3	23rd, 26th	298·3	294·4	8th	300·6	*300·2*	+0·4	13	− 28
756	Rangoon	16 46	95 48	5·5	1014·3	1015·0	+ 0·5	304·9	307·2	20th	292·8	289·4	4th	298·9	*297·8*	+1·0	0	− 6
757	Saigon	10 47	106 42	11	1010·7	1011·9	+ 0·1	304·0	306·0	27th	294·2	290·6	15th	299·1	*298·5*	−0·1	13	− 3
758	Nhatrang	12 15	109 12	3·6	1014·3	1014·7	+ 0·4	299·0	302·6	30th	294·0	290·7	23rd, 24th	296·9	*296·5*	−0·7	69	+ 7
759	Bolinao	16 23	119 53	7·1	1009·7	1010·6	− 1·0	303·8	306·0	10th	294·2	290·8	13th	299·0	*298·3*	−0·6	0	− 11
761	Vigan	17 34	120 23	12·2	..	1011·9	− 0·7	302·9	305·1	31st	294·7	292·2	8th	298·8	*298·8*	+0·4	21	+ 20
761*a*	Manila	14 35	120 59	14·2	..	1012·6	+ 0·4	303·8	305·7	10th	293·2	290·4	9th	298·5	*297·6*	−0·2	0	− 21
762	Ormoc	11 0	124 36	5·6	1009·1	1009·8	− 0·2	304·2	305·9	20th	294·9	293·1	26th	299·5	*298·9*	+0·8	170	− 31
765	Guam, Ladrone Is.	13 24	144 38	20·4	1006·1	1008·8	− 0·9	301·2	302·9	14th	297·4	295·8	6th	299·3	*299·1*	+0·1	78	+ 16
		N.	E.															

Between Latitude 10° N. and 0°. JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1011·6	− 0·1	302·7	303·6	24th	297·8	295·2	17th	300·3	*299·9*	+0·8	33	− 65
822	Bogota	4 36	74 9	2645	..	..	..	..	..	..	..	..	..	..	..	..	0	− 57
822*a*	Merida, Venez.	8 36	71 9	1641	‡ 842·0	..	+ 0·3	296·7	298·5	27th, 28th	287·1	284·0	5th	291·9	*291·0*	+0·6	155	+ 81
824	El Peru, Guayanavieja	7 19	61 49	220	? 985·4	?1010·5	− 0·5	301·4	?303·6	9th	292·3	?290·2	16th	296·9	*296·3*	−0·3	87	− 9
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·3	+ 1·5	301·7	302·4	3, 7, 26	296·8	295·2	10th	299·3	*298·9*	0·0	122	− 77
826	Paramaribo	5 49	55 9	3·7	‡1013·9	‡1014·3	+ 1·4	301·7	303·2	23rd	295·3	292·1	28th	298·5	*297·8*	0·0	159	− 56
826*a*	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Konakri	9 4	13 42	16	..	..	..	303·7	304·5	31st	296·6	295·1	6th	300·1	*299·6*	+0·6	0	− 1
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·0	1011·8	+ 1·0	305·1	306·9	12, 20, 23	..	..	..	..	‡*299·9*	−0·4	0	− 10
835	Assuantsi	5 18	1 15	101	..	..	..	305·9	307·4	16th	294·6	288·6	25th	300·3	*299·6*	..	0	..
836	Accra	5 33	W 0 12	25·1	..	..	..	303·4	..	..	296·2	..	..	299·8	*299·3*	+0·3	0	− 17
837	Lagos	6 27	E 3 24	6·7	1011·8	1012·5	+ 1·1	304·1	305·2	..	294·9	291·3	..	299·5	*298·9*	−0·7	8	− 19
838	Zungeru	9 48	6 10	130	..	..	..	305·5	311·3	31st	290·8	288·6	19, 21, 24	298·2	*297·9*	−1·7	0	− 1
839	Yola	9 12	12 30	259	..	..	..	306·7	311·9	17th	..	..	..	..	‡*297·4*	−1·4	0	0
841	Wau	7 42	28 3	440	..	..	..	..	..	..	..	..	..	..	..	..	0	− 1
843	Malakal (Kodok)	9 35	31 37	394	965·4	1009·5	+ 0·6	307·7	312·4	7th	290·5	288·9	sev. dates	299·1	*297·4*	−0·8	0	0
843*a*	Mongalla	5 11	31 47	439	959·8	1008·7	+ 1·4	..	..	..	292·5	289·0	26th	..	*299·9*	0·0	6	+ 4
844	Entebbe	0 5	32 29	1171	883·4	1009·5	+ 0·1	299·2	301·6	30th	290·1	287·2	31st	294·6	*294·2*	−0·3	55	− 11
851	Minicoy	8 17	72 49	2·1	1013·6	1013·8	+ 0·8	..	..	..	..	..	..	..	..	..	38	− 6
851*a*	Cochin	9 58	76 21	2·7	1012·4	1012·7	− 0·7	304·9	307·3	10th	296·1	293·4	7th	300·5	*300·1*	+0·5	211	+196
852	Colombo Observatory	6 54	79 53	7·3	..	1010·6	− 0·8	303·1	306·1	26th	296·0	293·8	6th	299·6	*299·2*	+0·4	192	+103
853	Nuwara Elija	6 59	80 46	1886	813·3	1012·3	..	292·3	295·4	13th	283·8	277·1

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·2	307·6	1st	295·8	294·0	10th	299·5	*298·7*	−1·0	273	+ 57
926	Taperinha	2 30	54 20	20·0	1008·9	1011·2	+ 0·5	301·9	304·2	26th	295·2	294·5	11th	298·6	*297·8*	−0·3	141	..
927	Turyassu	1 43	45 26	15·1	1008·8	1010·5	+ 0·1	303·7	305·8	20th	295·5	294·0	11th	299·6	*299·1*	−0·1	240	+ 29
928	Barra do Corda	5 30	45 16	81·0	1000·2	1009·5	− 0·3	303·9	306·6	30th	293·9	292·6	26th	298·9	*297·7*	−0·6	155	− 29
929	Quixeramobim	5 16	39 15	207	988·5	1011·7	+ 1·0	305·8	308·0	31st	297·9	296·4	5th	301·8	*301·1*	0·0	30	− 40
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E13 13	59·3	..	1012·6	+ 1·7	300·4	302·0	1st, 8th	296·6	295·7	23rd	298·5	298·3	+0·2	12	− 15
940	Brazzaville	4 17	15 16	320	‡975·3	‡1011·2	..	303·5	307·0	30th	295·7	293·0	4th, 11th	299·6	*299·0*	+0·5	68	− 20
943	Masaka	0 21	31 47	?1280	..	..	..	299·1	301·9	30th	289·4	288·6	sev. dates	294·3	*293·3*	+0·2	48	− 3
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	298·0	300·8	30th	284·7	280·8	11th	291·3	..	..	33	− 6
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	297·4	300·8	29th, 30th	..	..	..	..	..	..	38	− 43
944*a*	Zanzibar	6 10	39 11	21·9	1010·6	1013·0	+ 0·1	302·8	303·9	28th	299·1	296·5	14th	300·9	*300·5*	−0·3	35	+ 29
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	303·0	sev. dates	297·4	296·3	sev. dates	299·7	*299·3*	−0·6	39	+ 2
947	Seychelles, Port Office	4 37	55 27	4·6	1011·0	1011·5	+ 0·3	300·9	301·8	23rd, 28th	297·9	296·6	13th	299·4	*298·7*	−0·1	408	− 3
957	Padang	0 56	100 22	6·7	..	1010·1	− 1·2	..	..	..	..	..	..	..	..	..	383	+ 25
958	Batavia	6 11	106 50	8·0	1008·7	1009·6	− 0·3	302·5	305·1	11th	296·3	295·0	24th	299·4	298·9	+0·4	177	− 154
958*a*	Pontianak	0 1	109 20	2·6	..	1010·5	0·0	..	..	..	..	..	..	..	..	..	320	+ 47
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	337	+ 55
960	Kajoemas	7 56	114 9	1066	..	..	..	..	..	..	..	..	..	..	..	..	426	− 29
962	Amboina	3 42	128 10	4·2	..	1008·4	+ 0·1	..	..	..	..	..	..	..	..	..	103	− 27
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	296	+ 25
965	Daru	9 4	143 13	7·6	..	1008·5	− 0·3	..	..	..	..	..	..	..	..	..	322	− 20
966	Port Moresby	9 29	147 9	39·0	..	1008·1	− 0·1	303·6	..	..	297·6	..	..	300·6	*300·2*	−0·3	164	− 26
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1006·5	1006·8	− 0·2	304·1	306·2	20th	297·1	295·8	6th, 27th	300·6	*300·4*	−0·4	545	+ 203
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	..	..	303·3	304·7	9th, 19th	297·3	295·8	sev. dates	300·3	*299·7*	−0·6	429	+ 137

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.		mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1009·4	+ 1·5	302·6	304·8	28th	296·9	293·9	13th	299·8	299·6	+0·5	555	+ 128
1003	Aloñi, Niue Island	19 2	169 55	36·6	..	..	..	302·9	306·9	22nd	296·2	294·1	11th	299·6	*299·4*	−0·1	316	+ 57
1021	Arequipa	16 22	71 33	2451	..	..	..	292·0	294·2	25th	283·2	279·2	18th	287·6	*286·8*	−0·1	101	+ 69
1022	Puerto de Arica	18 28	70 20	5	..	..	..	297·7	298·4	sev. dates.	291·7	291·0	5th, 11th	294·7	..	..	0	− 1
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·7	..	..	289·6	293·4	23rd	281·3	378·8	25th	285·5	*285·4*	..	235	+ 74
1025	Corumba	18 59	57 39	116	995·2	1008·4	− 0·1	304·1	307·0	22nd	295·8	294·0	18th, 19th	300·0	*299·5*	−0·3	325	+ 135
1026	Cuyaba	15 36	56 6	165	990·2	1008·8	+ 0·5	304·5	307·0	19th	295·3	294·0	5th, 13th	299·9	*299·5*	−0·6	203	+ 25
1027	Bello Horizonte	19 55	43 57	895	912·6	1010·9	− 0·6	298·8	304·0	9th	291·3	289·2	15th	295·1	*294·8*	0·0	398	+ 55
1028	Caetite	14 3	42 37	897	915·1	1013·3	+ 0·8	300·3	304·2	20th	291·7	290·5	3, 28, 29	296·0	*296·1*	−0·1	215	− 59
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·8	1012·1	− 0·3	302·9	304·1	12th	296·6	294·2	3rd	299·8	*299·1*	+0·5	26	− 56
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St Helena	15 57	W 5 40	‡579	947·7	1013·9	+ 3·3	295·8	299·2	25th	288·2	285·8	7th	292·0	*291·7*	+1·0	43	− 39
1039	Mossamedes	15 11	E12 9	12·5	..	..	..	297·6	301·0	29th	291·2	?288·5	20th, 22nd	294·4	*294·4*	..	0	..
1042	Gwelo	19 28	29 48	1417	860·0	1009·6	− 0·1	301·6	306·9	2nd, 28th	289·2	285·2	19th	295·4	..	+1·2	143	− 27
1043	Salisbury Gaol, Rhodesia	17 48	31 5	1457	853·9	1007·9	− 1·5	300·7	306·3	3rd	288·9	285·6	19th	294·8	*293·8*	+0·9	163	− 24
1044	Zomba	15 23	35 18	955	904·4	1008·3	+ 0·1	300·3	305·2	5th, 6th	291·5	289·7	9, 19, 29	295·9	*295·1*	+0·2	258	+ 27
1045	Antananarivo	18 55	47 32	1400	862·7	1012·7	+ 0·2	298·3	301·3	28th	289·1	284·8	18th	293·7	*292·8*	−0·1	582	
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·0	1011·6	+ 0·1	303·0	304·5	22nd	298·2	296·3	17th	300·6	*300·2*	+0·2	196	+ 60
1057	Christmas Island	10 25	105 43	5·5	1007·3	1007·9	+ 0·1	304·9	306·9	..	296·8	295·2	..	300·8	*299·9*	+0·4	106	− 17
1061	Kupang	10 10	123 34	45·1	..	1008·3	− 0·1	303·2	305·1	28th	296·3	294·2	30th	299·7	298·8	..	298	− 103
1061*a*	Derby	17 18	123 40	16·2	1005·3	1007·1	+ 0·2	309·3	313·2	19th	299·9	293·1	26th	304·6	..	+1·3	50	− 14
1062	Hall's Creek	18 13	127 46	374	964·6	1006·0	− 0·4	311·5	314·0	10th	297·1	290·1	17th	304·3	*303·8*	+1·0	5	− 58
1063	Darwin	12 28	130 51	29·6	1001·9	1005·3	− 0·7	305·1	307·7	16th	297·7	296·3	2, 3, 24	301·4	*300·4*	−0·4	321	− 28
1064	Daly Waters	16 16	133 23	211	979·2	1002·9	− 2·0	306·7	311·9	29th	295·8	291·9	15th	301·3	*300·8*	−1·9	136	+ 78
1065	Mein	13 13	142 47	122	990·8	1004·7	− 0·9	303·2	305·8	19th	296·2	293·8	26th	299·7	*299·2*	−0·9	516	− 5
1066	Georgetown, Queensland	18 22	143 32	302	973·2	1007·2	+ 0·6	305·9	308·3	12th	295·8	293·6	24th	300·9	..	−0·2	124	− 20
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1005·2	1007·2	− 1·7	303·2	305·1	5th	295·8	294·9	2nd	299·5	*299·3*	−0·1	520	+ 251
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

JANUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·3	303·3	27th	296·8	294·1	7th	299·1	*298·9*	+0·3	211	− 31
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·1	1014·3	− 0·2	293·1	296·2	31st	287·9	286·4	22nd	290·5	*290·3*	+0·4	0	0
1122	Iquique	20 12	70 11	9	1012·0	1013·0	− 0·6	297·8	303·5	16th	290·4	288·9	5th	294·1	*294·2*	+0·2	0	0
1123	Catamarca	28 27	65 47	510	949·8	1006·1	− 0·3	305·9	312·2	21st	292·3	284·3	3rd	299·1	298·6	−1·2	134	+ 61
1124	Salta	24 46	65 28	1178	880·3	1007·9	− 1·0	300·0	306·0	24th	289·9	286·5	18th, 19th	294·9	294·7	−0·2	317	+172
1125	Goya	29 9	59 15	26	1005·0	1008·0	− 0·8	305·4	310·6	21st	293·9	288·4	15th	299·7	299·0	+0·2	187	+ 75
1126	Asuncion	25 21	57 37	93	998·2	1008·7	+ 0·6	309·0	313·5	21st	295·2	290·5	14th	302·1	300·1	+0·2	157	+ 11
1127	Curityba	25 25	49 17	908	911·0	1010·6	− 0·6	299·0	304·4	26th	289·3	283·9	15th	294·2	*293·2*	0·0	206	+ 33
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·1	1011·2	+ 0·1	301·6	308·5	6th	295·4	291·5	15th	298·5	298·1	−0·1	183	+ 55
1139	Windhoek	22 35	E17 5	1680	..	..	..	304·1	306·0	18th	291·6	288·2	13th, 14th	297·9	*297·9*	+1·4	13	− 79
1140																		
1141	Kimberley	28 42	24 47	1202	879·2	1006·7	− 0·3	306·1	310·8	26th	289·1	284·1	14th	297·6	297·7	+0·5	20	− 42
1141*a*	Johannesburg	26 11	28 4	1806	821·5	1011·0	0·0	298·2	304·7	21st	286·3	283·0	17th	292·3	*291·8*	+0·1	121	− 36
1142	Pretoria (Brooklyn)	25 46	28 13	1400	861·1	1009·9	+ 0·1	301·2	307·2	21st	287·9	285·7	24th	294·6	*294·1*	−0·3	103	− 31
1142*a*	Bulawayo	20 9	28 35	1340	866·3	1009·4	− 0·2	299·4	304·1	27th	288·8	282·9	26th	294·1	*293·6*	−0·8	188	+ 38
1143	Durban	29 52	31 3	15·2	1013·1	1014·9	+ 0·2	299·9	304·9	3rd	293·0	288·9	22nd	296·4	*296·0*	−0·9	156	+ 40
1144	Lourenço Marques	25 58	32 36	59	..	1012·4	0·0	303·3	311·3	27th	294·1	291·1	24th	298·7	298·1	−0·3	60	− 67
1147	Mauritius	20 6	57 33	55·2	1005·6	1011·9	0·0	302·1	303·9	7th	295·1	292·2	20th	298·6	298·2	−0·8	263	+ 66
1159	Onslow	21 43	114 57	4·3	1005·7	1006·2	+ 0·2	310·5	317·3	9th	295·1	291·4	3rd, 16th	302·8	..	−0·1	0	− 24
1160	Peak Hill	25 38	118 47	588	942·5	1007·0	+ 1·6	311·3	..	..	295·2	..	..	303·3	..	−0·4	0	− 42
1161	Nullagine	21 53	120 5	386	962·8	1005·4	+ 0·1	313·7	316·3	27th	296·8	289·8	5th	305·3	..	+0·5	0	− 80
1162	Laverton	28 40	122 23	466	959·0	1010·8	+ 1·2	309·7	317·0	21st	294·2	286·4	2nd	301·9	*301·6*	+0·6	1	− 25
1163	Alice Springs	23 38	133 37	587	942·9	1008·3	+ 1·1	305·3	311·3	25th	291·1	284·7	5th	298·2	*298·2*	−3·3	12	− 33
1164	William Creek	28 55	136 21	76·2	1002·0	1010·8	+ 1·2	308·6	319·1	25th	292·5	286·9	4th	300·6	*300·2*	−0·6	10	− 4
1164*a*	Boulia	22 55	139 38	146	989·3	1005·7	+ 0·6	308·9	313·0	27th, 31st	296·7	291·9	14th	302·8	*302·8*	−1·0	59	+ 6
1165	Thargomindah	27 58	143 43	123	994·8	1008·5	+ 1·3	309·0	314·3	10th	296·9	289·2	29th	302·9	*302·5*	+0·2	33	− 3
1166	Mitchell	26 32	147 52	336	972·4	1009·9	..	305·3	310·8	11th	293·6	289·2	22nd	299·4	..	−0·1	18	− 68
1167	Rockhampton	23 24	150 30	11·3	1008·3	1009·7	+ 0·3	303·3	313·6	12th	294·6	292·3	17th	299·0	*298·4*	−0·9	119	−114
1168	Brisbane	27 28	153 2	41·7	1008·8	1013·6	+ 2·3	301·1	304·9	11th, 12th	293·1	290·9	18th	297·1	*296·6*	−1·0	103	− 56
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1012·0	1013·8	+ 0·6	298·2	301·9	1st	292·4	289·7	12, 18, 30	295·3	*294·9*	+0·3	88	− 4

JANUARY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	1016·2	1017·4	− 2·0	294·9	299·2	27th	288·3	283·0	7th	291·6	*291·9*	+0·1	29	+ 7
1221*a*	Punta Tumbes	36 37	73 6	120	1000·6	1014·9	− 0·1	291·9	294·8	21st	284·6	282·5	1st, 2nd	288·3	*288·1*	+0·2	3	0
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1008·8	1013·6	− 0·9	295·8	301·5	31st	286·1	283·0	2nd	290·9	*290·4*	−0·6	0	0
1222*a*	Santiago	33 27	70 42	520	953·1	1012·1	− 0·3	302·3	307·5	12th	284·6	279·8	3rd	293·5	*292·8*	+0·3	0	− 1
1223	Cordoba	31 25	64 12	423	961·2	1008·6	− 0·6	304·2	311·2	..	289·7	283·6	..	296·9	296·6	+0·4	46	− 60
1224	Bahia Blanca	38 45	62 15	25	1006·1	1009·1	− 0·1	303·3	314·9	23rd	288·6	280·0	9th	295·9	295·6	−0·7	86	+ 42
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1008·3	1011·2	− 0·5	300·4	307·5	23rd	288·8	281·8	9th	294·6	294·8	−1·7	91	+ 11
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1010·7	− 0·7	298·3	306·0	20th, 21st	290·7	284·5	10th	294·5	*294·3*	−1·1	108	+ 40
1226*a*	Porto Alegre	30 2	W51 13	23·5	1008·5	1011·2	− 0·2	303·6	310·5	25th	292·2	286·3	10th	297·9	297·2	−0·3	60	− 57
1239	Cape Town	33 56	E18 29	12·2	..	1013·4	0·0	298·1	309·7	31st	287·9	284·7	10th	293·0	*291·6*	−1·1	20	+ 2
1240	Danger Point	34 37	19 18	27·7	1006·5	1009·7	..	294·9	298·0	31st	288·4	285·8	1st	291·7	..	..	29	− 2
1241	Riversdale	34 6	21 16	?61	..	..	..	..	..	..	..	..	..	..	..	..	7	− 22
1242	East London	33 1	27 54	9·8	1011·7	1012·8	− 0·1	297·3	303·0	5th	290·1	285·8	25th	293·7	..	−0·4	64	+ 3
1259	Perth (Observatory)	31 57	115 51	60·0	1006·2	1013·0	+ 0·3	303·2	315·4	28th	290·8	282·9	1st	297·0	*296·5*	+0·7	1	− 7
1260	Katanning	33 42	117 35	310	978·9	1013·8	+ 0·6	303·1	312·9	28th	286·6	278·0	1st	294·8	..	0·0	10	0
1261	Coolgardie	30 57	121 10	423	963·9	1011·6	+ 0·3	307·7	317·6	21st	289·7	282·0	2nd	298·4	*298·1*	+0·2	31	+ 19
1262	Eucla	31 45	128 58	4·6	1013·8	1014·4	+ 1·1	298·7	314·4	22nd	290·5	286·3	5th	294·6	*293·9*	+0·1	2	− 13
1263	Streaky Bay	32 48	134 13	13·1	1013·3	1014·6	+ 1·2	306·3	316·3	7th	289·6	281·9	3rd	297·9	*297·1*	+3·0	3	− 8
1264	Adelaide	34 56	138 35	42·7	1010·3	1015·3	+ 2·3	304·3	316·1	23rd	290·1	284·5	4th	297·2	296·8	+0·9	40	+ 21
1265	Melbourne	37 49	144 58	35·1	1011·8	1015·8	+ 2·9	300·1	314·9	24th	288·5	282·4	4th	294·3	*293·9*	+1·6	114	+ 67
1266	Bourke	30 13	145 58	111	1002·3	1014·7	+ 2·4	308·8	316·3	24th	293·7	288·6	13th	301·3	..	−1·1	24	− 14
1267	Sydney	33 51	151 13	40·5	1011·6	1016·3	+ 3·8	298·0	304·7	2nd	290·8	286·8	13th	294·4	*293·8*	−0·7	80	− 15
1268	Lord Howe Island	31 20	159 0	4·6	1015·1	1015·8	+ 2·9	298·7	300·9	3rd	292·2	286·9	18th	295·4	..	−0·2	75	− 50
1271	Auckland	36 50	174 50	38·1	..	1015·5	..	294·9	298·8	10th	288·2	283·0	31st	291·6	..	−0·6	78	+ 11
1272	Napier	39 32 S.	176 53 E.	21·3	..	?1017·8	+ 6·2	?295·6	?306·9	3rd	?285·6	?279·1	31st	?290·6	..	−1·3	..	..

Between Latitude 40° S. and 50° S.

JANUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1011·8	..	..	..	..	..	..	..	..	..	..	49	− 9
1321	Isla Guafo	43 34	74 45	140	997·2	1014·0	− 2·0	287·0	289·2	14th	282·7	280·8	1st	284·9	*284·8*	−0·9	105	+ 41
1322	Punta Galera	40 1	73 44	40	1011·5	1016·3	0·0	289·0	292·6	8th, 26th	283·9	281·0	2nd, 12th	286·5	*286·8*	−0·4	115	+ 55
1323	Sarmiento	45 30	69 0	274	974·7	1005·2	..	296·4	304·2	3rd	282·8	278·0	1st	289·6	289·2	−2·6	15	+ 11
1324	Punta Madryn	42 49	W64 58	14	1007·0	1008·7	..	299·1	312·0	20th	285·7	277·6	1st	292·4	292·2	−1·0	6	− 4
1365	Launceston	41 27	E147 10	10·1	1014·2	1015·4	+ 3·8	299·7	308·8	24th	286·0	279·4	14th, 15th	292·9	*291·8*	+1·9	62	+ 16
1366	Hobart	42 53	147 20	53·9	1009·1	1015·4	+ 5·3	295·7	308·5	1st	285·2	280·2	3rd	290·4	*289·3*	+0·6	55	+ 10
1370	Invercargill	46 25	168 21	3·7	..	..	..	294·6	305·2	12th	280·2	274·1	23rd	287·4	..	+0·5	66	− 43
1371	Dunedin	45 52	170 31	91·4	..	1016·3	+ 6·4	292·6	304·1	11th	282·2	278·6	29th	287·4	..	0·0	63	− 24
1371*a*	Christchurch	43 31	172 39	7·6	..	1016·1	+ 4·8	293·1	307·6	4th	284·1	279·9	9th	288·6	..	−0·7	117	+ 61
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1016·5	+ 3·9	294·0	300·6	2nd	285·6	280·4	17th	289·8	..	−0·1	80	− 5
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

JANUARY—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	995·2	1001·9	0·0	282·8	285·6	8th	278·8	276·0	24th	280·8	*281·0*	—0·8	255	— 64
1422	Puerto de Punta Arenas	53 10	70 54	28	995·1	998·5	— 2·0	288·1	295·4	14th	280·6	277·5	8th	284·3	*284·3*	+0·1	26	— 5
1423	Punta Dungeness	52 24	68 26	5	997·8	998·4	— 1·7	287·9	297·8	14th	281·0	278·6	6th	284·5	*284·5*	—0·3	26	— 5
1424	Santa Cruz	50 11	68 21	12	999·6	1001·0	— 2·7	293·9	306·8	14th	281·4	276·7	25th	287·7	287·5	—0·6	18	+ 1
14244	Año Nuevo	54 39	64 8	50	989·1	995·1	— 1·1	286·3	289·5	30th	278·1	274·2	8th	282·2	*281·2*	0·0	70	— 1
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	994·6	997·2	— 2·5	285·5	291·3	15th	278·4	273·6	8th	282·0	282·3	—0·4	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	992·0	992·5	— 1·6	281·2	288·8	4th	273·4	271·0	30th	277·3	277·7	—1·7	157	+ 82

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	985·8	986·7	— 4·0	273·9	277·8	17th	270·2	267·3	28th	272·1	272·3	— 0·8	5c	+ 12
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s		9h. 17h.	7h. 21h.		9h.	8h. 21h.	9h.
1	S	8·2	..	NE 1 NE 1	SE 1 S 1	..	Calm 0	E 2 Calm 0	SE 1
2	S	8·5	..	NE 3 NE 1	SE 1 S 1	..	NW 4	E 2 N 3	Calm 0
3	S	9·0	..	E 1 NE 1	SE 1 SSE 2	..	NW 2	NE 3 NE 3	Calm 0
4	S	7·6	..	SE 1 SW 1	SE 1 S 1	..	Calm 0	ESE 2 E 2	W 1
5	S	8·2	..	NE 3 NE 1	Calm 0 S 2	..	Calm 0	N 1 E 2	Calm 0
6	S	6·7	..	E 1 E 1	SE 1 S 1	..	Calm 0	E 3 S 2	W 1
7	S	2·9	..	NW 1 NW 1	S 1 S 1	..	Calm 0	ENE 2 ENE 3	Calm 0
8	Calm	4·4	..	SW 1 SW 3	SE 1 SE 2	..	NW 2	NE 2 NE 2	Calm 0
9	SSE	6·8	..	NE 1 NE 1	S 1 S 2	..	Calm 0	NE 2 NE 3	Calm 0
10	SE	6·5	..	E 1 E 1	SE 1 S 2	..	Calm 0	E 1 E 2	W 2
11	SSE	5·9	..	E 3 Calm 0	E 1 S 2	..	NW 2	NE 4 NE 3	Calm 0
12	SSE	6·0	..	Calm 0 Calm 0	S 1 S 2	..	Calm 0	NE 2 N 4	NE 2
13	SE	7·3	..	Calm 0 SW 1	S 1 S 2	..	Calm 0	E 4 E 4	Calm 0
14	SSE	7·3	..	NE 1 SW 1	SE 1 S 2	..	NW 2	NE 3 E 3	W 2
15	SSE	6·9	..	NE 2 Calm 0	SE 1 SW 2	..	NW 2	ENE 3 ENE 3	S 1
16	SSE	5·6	..	NE 1 NE 1	SE 2 S 2	..	Calm 0	NNE 4 NE 1	Calm 0
17	SSE	5·5	..	NE 1 Calm 0	W 1 SW 1	..	Calm 0	NE 1 NE 2	SE 2
18	SSE	5·5	..	Calm 0 NE 1	S 1 S 1	..	Calm 0	ENE 4 ENE 4	E 2
19	SSE	6·3	..	NE 1 NE 2	W 1 SE 1	..	NW 2	E 4 NE 5	E 2
20	SSE	6·3	..	NE 4 NE 1	S 1 S 2	..	Calm 0	N 4 E 2	E 2
21	SSE	5·6	..	Calm 0 Calm 0	S 1 S 2	..	Calm 0	ESE 4 ENE 3	Calm 0
22	SSE	5·2	..	NNE 1 NE 1	SE 1 S 2	..	NW 2	E 3 E 3	Calm 0
23	SSE	4·1	..	NE 1 SW 2	SE 1 S 2	..	Calm 0	ENE 3 E 3	E 2
24	SSE	3·8	..	E 1 SW 1	S 2 S 2	..	Calm 0	E 3 E 3	E 2
25	SE	4·7	..	E 1 SW 1	SE 1 SE 2	..	NW 2	E 3 E 3	Calm 0
26	SE	5·9	..	E 1 NE 1	SE 1 SW 1	..	NW 2	E 3 E 3	NE 1
27	SE	6·8	..	NE 1 SW 1	W 1 SW 2	..	Calm 0	ENE 3 ENE 4	Calm 0
28	SSE	9·4	..	Calm 0 Calm 0	W 2 W 1	..	Calm 0	E 4 E 4	Calm 0
29	SSE	9·9	..	Calm 0 SW 1	SW 1 S 1	..	Calm 0	ESE 3 ESE 4	SE 1
30	SE	8·0	..	NW 1 SW 1	SE 1 S 1	..	Calm 0	E 3 E 3	SE 1
31	SSE	..	..	SW 1 SW 1	S 1 SSE 1	..	Calm 0	NE 3 NE 3	Calm 0
Mean	..	6·5	..	1·1 0·9	1·1 1·5	..	0·7	2·8 2·9	0·5
§Resultant	160° (89)	..	..	60° (29)	175° (78)	..	315° (32)	70° (83)	115° (18)
§Normal	142° (92)	7·3	‖105° (75)	22° (9)	265° (35)	71° (78)	322° (14)	‖ 88° (27	89° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ? 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1921.

‡‡ *Barents Sea.*—Young ice commenced to form east of Bear Island on the 20th, while the sea west of the island remained open throughout the month.

‡‡ *Spitsbergen.*—Off the west coast the sea was free of ice, but there was alternately firm and broken ice in the fjords.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 3 days visible.

‡‡ *Denmark Strait.*—At Angmagsalik there was ice everywhere except for a narrow land water which grew broader towards the end of the month.

‡‡ *N. Atlantic and Labrador.*—Seventeen icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being three. Some floes were also observed. Alternating drift ice and pack ice were met with in Belle Isle Strait and the Gulf of St. Lawrence.

‡‡ *Davis Strait and Baffin Bay.*—Fresh masses of "Storis" continually passed round Cape Farewell, remained off Pamiagdluk for a few days and then drifted away. At Arsuk the sea was free of ice. The coast was blocked by west ice from Holstensborg to Upernivik, where winter ice was formed about the 20th and remained unbroken.

‡‡ *Isforholdene i de Arktiske Have*, 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1921 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

FEBRUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	1016·2	..	248·0	268·0	18th	240·9	229·7	16th	244·4	..	—3·5	8	+ 2
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	56 7	18·9	1002·8	1005·4	— 3·4	251·4	259·3	13th	245·6	239·0	7th, 8th	248·5	*248·2*	—1·9	5	— 8
135	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1002·0	1003·5	— 5·9	..	275·1	5th	249·4	235·0	19th	..	253·9	+2·6	42	+ 9
140	Björnöen	74 28	19 15	40·5	999·3	1004·6	..	..	..	..	..	..	..	..	*263·8*	..	35	..
141	Gjesvaer	71 6	25 22	6·5	1007·1	1007·9	+ 3·7	..	278·2	21st	267·9	260·2	17th	..	*270·6*	+2·0	141	+ 87
142	Mehavn	71 1	27 47	6·4	1006·8	1007·6	+ 5·0	..	278·0	7th	266·5	257·6	14th	..	*269·7*	+2·1	57	— 3
143	Vardö	70 22	31 8	10·0	1006·8	1008·1	+ 2·1	..	276·4	8th	265·2	258·8	18th	..	*268·2*	+1·3	52	— 19
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	999·9	1001·4	— 8·9	260·3	272·6	6th	246·4	232·7	14th	253·4	*252·8*	..	7	..

Between Latitude 70° N. and 60° N.

FEBRUARY—ZONE 2.

203	Nome	64 30	165 24	6·7	..	1007·4	— 4·8	258·4	273·0	18th, 25th	249·1	235·2	9th	253·8	*253·8*	—4·5	11	— 13
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1010·5	— 7·4	257·8	266·3	26th, 27th	243·3	228·0	6th	250·6	*249·8*	—1·9	12	— 7
206	Rampart	65 30	150 15	122	..	..	..	252·3	266·9	19th, 20th	243·1	225·2	6th	247·7	..	—3·4	6	— 12
207	Valdez	61 7	146 16	8·2	..	1002·7	— 7·3	270·2	278·0	26th	262·4	251·9	12th	266·3	*266·1*	—0·8	153	+ 36
208	Eagle	64 46	141 12	254	..	1011·2	— 6·3	255·1	278·6	24th	243·4	224·7	6th	249·2	..	—3·6	7	— 2
209	Dawson	64 4	139 20	328	969·4	1014·3	— 5·7	251·3	276·3	25th	242·4	225·8	6th	246·9	..	—1·7	19	+ 1
210	Carcross	60 11	134 34	662	..	..	..	203·7	279·7	25th, 26th	251·4	235·8	19th	257·5	..	+0·2	8	— 14
211	Fort Good Hope	66 15	128 31	65·2	1007·8	1017·3	..	249·1	268·6	19th	239·4	224·1	7th	244·3	..	..	23	+ 10
212	Fort Simpson	61 52	121 35	59·4	..	..	..	255·4	269·1	11th	245·7	231·9	14th, 18th	250·6	..	+4·5	19	+ 2
213	Hay River	60 51	115 57	161	993·5	1013·9	— 7·2	258·2	274·1	26th	246·6	233·6	5th	252·4	..	+3·5	18	+ 5
225	Jacobshavn	69 13	51 2	12·6	999·6	1001·3	— 5·1	256·8	272·5	10th	247·9	240·3	26th	252·3	*252·4*	—1·4	25	+ 18
226	Godthaab	64 11	51 43	9·0	995·6	996·8	— 4·3	263·0	274·0	11th	257·1	250·4	22nd	260·1	*260·1*	—2·8	..	..
227	Ivigtut	61 12	48 10	5·0	995·9	996·6	— 4·1	266·4	279·1	13th	259·1	250·0	22nd, 23rd	262·7	*262·5*	—3·1	49	— 20
229	Angmagsalik	65 37	37 33	31·7	989·9	993·9	— 9·6	270·6	276·0	6th, 18th	263·1	256·0	6th	266·9	*266·8*	+4·5	145	+ 95
231	Stykkisholm	65 5	22 46	**	998·3	1000·8	0·0	277·2	281·5	19th	272·0	267·4	28th	274·6	*274·5*	+4·2	148	+ 83
232	Vestmanno	63 26	20 15	7·7	1003·4	1004·3	+ 4·4	279·2	281·8	9th	274·1	270·1	28th	276·7	*276·7*	+2·4	244	+ 121
233	Grimsey	66 33	17 58	22·0	1000·2	1002·9	+ 0·3	276·3	279·6	10th	..	..	..	..	*274·3*	+4·2	..	..
233a	Akureyri	65 40	18 4	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1004·0	1006·2	+ 4·0	278·6	283·6	9th, 12th	273·2	268·9	1st	275·9	*275·7*	+3·9	25	— 75
235	Thorshavn	62 3	6 45	26·3	1012·0	1015·3	+ 9·9	280·1	282·2	22nd	275·4	270·9	1st, 2nd	277·7	*278·2*	+1·7	94	— 40
236	Lerwick	60 9	W 1 8	18·0	1017·8	1019·9	+12·6	280·7	282·4	24th, 25th	276·4	273·0	1st	278·6	*279·2*	+2·1	102	+ 22
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1015·9	1021·5	+10·2	278·0	281·7	25th	273·5	269·7	7th	275·7	*276·0*	+1·9	203	+ 70
238	Aalesund	62 28	6 10	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
239	Trondhjem	63 26	10 25	39·5	1013·5	1018·6	+ 8·8	275·8	279·9	28th	270·1	261·0	1st	272·9	*273·3*	+2·9	81	+ 14
240	Bodö	67 17	14 24	22·4	1010·4	1013·2	+ 6·1	..	279·2	25th	269·9	262·4	15th	..	*273·1*	+2·8	94	+ 13
241	Haparanda	65 50	24 9	9·2	1015·4	1016·6	+ 5·1	265·8	276·0	21st	257·0	244·0	1st	261·4	*261·9*	+0·9	21	— 7
242	Helsingfors	60 10	24 57	11·7	1021·0	1022·6	+ 8·4	269·1	277·3	28th	262·1	250·3	16th	265·6	*266·2*	—0·1	37	0
242a	Kuopio	62 54	27 40	90·3	1008·4	1020·2	+ 6·7	266·1	275·2	11th	256·8	242·6	16th	261·4	*262·5*	—0·8	17	— 18
243	Kola	68 53	33 1	6·7	1010·2	1011·1	+ 3·4	266·2	277·0	21st	258·5	243·6	14th	262·4	*262·9*	+1·5	13	— 3
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1013·6	1014·4	+ 3·5	265·7	273·7	23rd	257·6	244·1	16th	261·6	*262·1*	+1·8	21	+ 3
246	Mezen	65 50	44 16	14·9	1009·1	1011·0	+ 0·1	265·2	275·0	8th	257·2	240·2	2nd	261·2	*261·8*	+2·4	2	— 5
247	Oust-Tsylma	65 25	52 18	? 68	999·9	1008·9	— 7·3	262·1	273·7	9th	252·9	229·5	15th	257·5	*257·7*	+0·3	11	..
248	Tcherdyn	60 24	56 31	?177	988·6	1012·0	— 5·9	263·3	271·4	10th	253·5	235·1	15th	258·4	*258·2*	—0·9	34	+ 9
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1005·1	1010·5	— 8·9	..	267·6	18th	245·5	230·9	23rd	..	*252·1*	—1·1	8	— 2
252																		
253	Doudinka	69 23	86 4	? 20	1003·4	1006·1	—10·0	..	260·7	14th	240·9	225·8	27th	..	*245·6*	—2·0	4	— 4
254	Touroukhansk	65 47	87 57	? 45	1005·9	1012·1	— 8·3	..	267·8	19th	245·2	227·3	27th	..	*250·6*	+1·4	14	+ 4
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	237·4	..	..	*250·2*	+8·2	12	+ 4
262	Iakoutsk	62 1	129 43	?108	1008·7	1023·9	— 4·7	..	255·9	11th	241·0	230·8	20th, 28th	..	*245·6*	+9·3	6	+ 1
263	Verkhoïansk	67 33	133 23	100	1001·1	1015·6	— 6·6	..	256·6	21st	229·4	223·1	9th	..	*236·4*	+7·8	..	..
271																		
272		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

** Height changed from 11·3m. to 20m. from February 1st.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1000·0	— 4·4	267·1	276·3	11th	261·8	249·1	7th	264·4	..	—3·0	17	— 29
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	995·6	— 7·3	272·2	276·9	16th	268·2	258·6	8th, 9th	270·2	..	—2·6	277	+120
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	263·3	274·7	27th, 28th	255·7	238·6	11th	259·5	..	—3·8	15	— 21
306	Kodiak (Radio)	57 46	152 22	6·1	..	997·3	— 8·4	274·3	278·6	sev. dates	266·2	258·0	10th	270·2	..	—2·0	‡89	— 34
309	Sitka	57 3	135 19	27·4	..	1005·4	— 5·4	277·7	282·4	23, 24, 26	271·7	264·7	13th, 19th	274·7	*274·6*	+0·5	214	+ 59
310	Prince Rupert	54 18	130 18	51·8	1005·6	1012·1	+ 1·0	278·0	285·2	23rd	273·0	264·1	15th, 16th	275·5	*275·3*	+0·4	336	+121
311	Barkerville	53 2	121 35	1274	864·2	1015·0	— 2·2	271·9	280·2	24th	263·6	251·9	15th, 16th	267·7	*267·4*	+2·0	73	+ 7
312	Kamloops	50 42	120 29	385	974·2	1022·2	— 0·2	276·9	285·8	11th	268·6	257·4	17th	272·7	*273·0*	+2·8	5	— 15
313	Calgary	51 2	114 2	1045	890·6	1016·1	— 5·5	275·8	288·6	24th	261·9	249·7	1st	268·8	*268·1*	+5·5	15	+ 2
314	Fort Chipewyan	58 42	111 10	218	984·4	1013·5	— 7·2	260·8	277·4	26th, 27th	249·8	235·2	19th	255·3	*255·8*	+4·2	17	+ 2
315	Prince Albert	53 10	105 38	442	959·7	1016·5	— 4·9	266·3	280·8	26th, 27th	256·3	235·2	19th	261·3	*261·2*	+6·8	45	+ 29
316	Qu'Appelle	50 30	103 47	645	935·2	1016·5	— 2·3	268·0	280·2	27th	258·0	235·8	19th	263·0	*262·8*	+6·7	30	+ 10
317	Minnedosa	50 15	99 50	515	950·9	1016·9	— 5·5	265·8	276·3	27th	255·8	230·3	19th	260·8	*260·5*	+5·5	8	— 7
318	Berens River	52 18	97 23	210	..	..	..	266·2	274·1	12th, 28th	252·7	243·0	20th	259·4	..	+6·6	95	+ 81
318*a*	Port Nelson	57 4	92 36	14·9	1017·1	1019·1	+ 1·1	254·7	271·3	11th	242·4	230·2	5th	248·6	..	+1·7	28	+ 10
319	Fort Hope	51 33	87 49	‡260	983·7	1019·6	..	262·9	274·7	11th	248·7	233·0	26th	255·9	‡*255·4*	+3·3	33	+ 22
320	Moose Factory	51 14	80 30	9·1	1018·5	1019·7	+ 1·1	263·0	273·6	28th	249·1	231·9	26th	256·1	..	+2·1	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	257·1	270·2	28th	244·6	230·8	25th	250·8	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	263·1	273·8	28th	245·1	232·4	26th	254·1	..	—0·4	51	+ 5
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	263·9	272·4	25th	250·0	244·1	sev. dates.	256·9	..	—1·8	15	— 47
326	Belle Isle	51 3	55 23	133	..	..	..	261·5	271·9	24th, 25th Sea Temp. 284·2 +0·2	254·4	246·3	3rd	257·9	*258·1*	—3·0	?3	— 40
333	53°—48° N. 20°—15° W.	†† 9 40	††17 40	§(60–63)	..	1022·2	..	..	..	..	..	..	..	..	282·4	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1022·9	1024·6	+11·9	282·2	284·1	4th	278·6	272·4	11th	280·4	280·5	+0·7	77	— 55
335	Aberdeen	57 9	W 2 6	26·8	1020·3	1023·7	+13·4	280·8	286·3	28th	276·3	273·0	19th	278·6	*278·6*	+2·0	15	— 47
336	Greenwich	51 28	0 0	46·3	1020·1	1025·9	+10·1	281·8	289·7	24th	274·7	270·2	27th	278·2	278·0	+0·7	3	— 37
337	Uccle	50 48	E 4 22	100	1012·0	1024·5	+ 7·9	280·4	288·4	25th	273·7	267·9	11th	277·0	276·7	+0·9	10	— 48
338	De Bilt	52 6	5 11	3·0	1024·7	1025·1	+ 8·8	280·2	287·3	26th	271·9	269·2	24th	276·1	276·1	+1·1	11	— 38
338*a*	Hamburg	53 33	9 58	40·3	1018·8	1023·9	+ 8·9	277·7	281·6	24th	273·5	268·5	9th	275·6	*275·5*	+1·4	30	— 14
339	Copenhagen	55 41	12 36	5·0	1023·8	1024·4	+10·7	276·4	280·2	28th	272·8	269·4	11th	274·6	*274·9*	+1·6	13	— 20
340	Potsdam	52 23	13 4	84·9	1013·1	1023·9	+ 7·8	277·7	282·9	24th, 26th	271·4	264·6	10th	274·5	274·1	+0·8	32	— 24
340*a*	Uppsala	59 51	17 38	24	1019·2	1022·2	+ 9·0	273·6	278·4	28th	266·1	256·4	15th	269·8	270·1	+1·7	6	— 10
341	Warsaw	52 13	21 1	133	1008·0	1026·3	+ 8·8	273·9	280·9	1st	267·2	259·0	17th	270·5	270·4	—0·1	17	— 10
342	Dorpat (Jurjev)	58 23	26 43	74·5	1014·5	1024·3	+10·2	268·6	277·1	28th	260·8	248·4	17th	264·7	264·7	—1·7	8	— 19
343	Petrograd	59 56	30 16	4·8	1021·9	1022·5	+ 7·7	266·6	273·8	11th	259·4	244·4	16th	263·0	*263·4*	—1·1	26	+ 3
344	Kiev	50 27	30 30	183	1002·8	1026·4	+ 7·4	270·2	278·9	1st	263·4	255·2	17, 18, 21	266·8	*266·5*	—1·0	10	— 10
344*a*	Moscow	55 50	37 33	167	1002·0	1024·0	+ 5·4	266·1	274·4	1st	257·9	246·0	4th	262·0	*262·1*	—1·0	11	— 10
345	Saratov	51 33	45 57	?122	1007·5	1023·7	+ 1·7	265·8	273·5	2nd	257·5	248·6	27th	261·6	*261·7*	—2·0	6	— 17
346	Kazan	55 47	49 8	79·9	1009·5	1020·0	— 0·2	265·9	273·4	10th	257·5	244·8	22nd	261·7	*262·3*	+1·9	15	0
347	Orenburg	51 45	55 6	109	1007·6	1022·2	— 1·8	263·1	271·3	17th	252·8	241·9	27th	258·0	*258·0*	—0·9	11	— 11
348	Perm	58 1	56 16	163	994·3	1015·8	— 3·7	263·7	271·5	10th	253·8	241·4	22nd	258·8	*259·0*	—0·9	21	— 8
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	977·9	1014·8	— 7·1	263·1	272·9	16th	254·2	240·6	22nd	258·6	*258·5*	—0·2	17	+ 9
350	Tobolsk	58 12	68 14	108	999·8	1014·4	— 8·8	258·6	266·4	17th	249·6	238·6	6th	254·1	*253·3*	—4·0	11	— 3
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1000·6	1015·2	—10·7	..	268·2	19th	248·5	239·0	24th	..	*254·2*	—1·1	6	— 4
353	Barnaoul	53 20	83 48	162	1003·8	1025·4	— 5·0	265·1	276·2	19th	254·4	244·1	22nd, 25th	259·8	*259·6*	+3·9	40	+ 27
354	Tomsk	56 30	84 58	122	1005·4	1021·7	— 5·7	..	274·4	19th	253·7	237·2	24th	..	*258·4*	+2·4	13	— 8
355	Minousinsk	53 43	91 41	249	996·8	1030·3	— 0·9	..	..	..	270·5	..	23rd	250·0	238·4	26th	..	*256·3*	..	8	+ 4
356	Eniseisk	58 27	92 10	77·6	1011·9	1022·3	— 5·6	..	..	..	274·1	..	20th	251·6	232·7	25th	..	*257·7*	+3·3	9	— 5
357	Irkutsk	52 16	104 19	467	967·8	1029·4	— 2·8	265·2	271·5	23rd	250·8	242·2	26th	258·0	*257·4*	+2·1	1	— 8
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	973·2	1023·8	..	263·2	268·5	5th	246·5	238·5	13th	254·8	*254·6*	..	2	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1001·5	1020·5	— 3·4	263·4	267·0	11th	252·1	245·6	11th	257·8	*257·0*	+2·8	4	+ 3
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	996·7	1007·9	+ 3·0	..	273·0	20th, 21st	263·6	254·0	12th	..	*265·9*	+4·4	40	— 18
369																		
371	Attu Island	52 56	173 13	4·9	..	996·9	— 2·7	273·6	276·9	15th	268·9	263·0	8th	271·3	..	..	47	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·8	+ 1·9	280·8	285·8	10th	275·8	270·2	16th	278·3	278·2	+1·0	109	+ 19
412	Portland, Oregon	45 32	122 41	46·6	1014·5	1020·0	+ 2·0	283·3	290·8	26th	277·4	272·4	17th	280·3	*280·1*	+1·9	183	+ 43
413	Macleod	49 44	113 24	953	..	..	..	274·6	287·4	12th, 28th	264·7	248·0	17th	269·7	*269·7*	+4·0	29	+ 11
414	Helena	46 34	112 4	1253	872·6	1017·3	— 2·6	279·2	290·2	12th	268·8	254·7	17th	274·0	*274·3*	+6·9	6	— 11
414*a*	Salt Lake City	40 46	111 54	1329	870·2	1021·0	+ 2·3	279·9	291·3	13th	271·4	261·9	7th	275·7	*275·8*	+2·3	27	— 10
415	Cheyenne	41 8	104 48	1856	810·8	1017·9	+ 0·5	277·4	288·6	25th	266·6	253·0	7th	272·0	*272·5*	+2·7	9	— 5
416	North Platte	41 8	100 45	859	917·2	1019·3	— 0·1	281·1	294·7	28th	267·5	256·3	8th	274·3	*273·7*	+4·8	9	— 4
416*a*	Bismarck	46 47	100 38	511	954·7	1017·6	— 3·5	274·6	288·0	12th	261·2	248·0	19th	267·9	*268·0*	+8·2	4	— 8
417	Winnipeg	49 53	97 7	232	986·4	1016·7	— 5·0	266·3	277·4	27th	256·3	240·8	19th	261·3	*261·2*	+6·4	64	+ 43
418	Duluth	46 47	92 6	345	973·3	1016·6	— 2·4	270·2	279·7	13th	261·3	246·3	19th	265·8	*265·6*	+5·1	11	— 12
419	Port Arthur	48 27	89 12	196	991·6	1016·9	— 2·3	270·2	276·3	28th	259·7	246·9	19th	264·9	*264·8*	+5·7	27	+ 9
420	Chicago	41 53	87 37	251	986·8	1017·9	— 0·9	276·7	291·9	15th	270·9	264·7	17th	273·8	*274·3*	+4·3	10	— 45
421	Toronto	43 40	79 24	116	1003·4	1018·2	+ 0·1	274·1	283·6	16th	266·9	259·7	24th	270·5	270·7	+3·2	34	— 32
422	New York (Central Park)	40 47	73 58	47·4	1012·6	1018·6	— 1·2	277·8	289·7	16th	270·4	260·8	25th	274·1	274·2	+2·0	137	+ 45
423	St. John, N.B.	45 17	66 4	36·2	1012·4	1017·1	+ 3·1	271·9	280·8	17th	261·9	252·4	1st	266·9	267·0	+0·6	78	— 21
424	S.W. Point, Anticosti	49 24	63 33	9·1	1015·2	1016·4	+ 6·5	266·0	273·0	24th	257·0	251·9	8th	261·5	*261·4*	—1·6	19	— 22
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1014·3	1015·3	+ 2·8	272·4	277·4	12, 17, 24	268·0	263·0	1st	270·2	*270·2*	—1·0	201	+ 80
425	Port aux Basques	47 35	59 10	9·1	1014·4	1015·6	+ 4·8	268·0	274·7	24th	260·8	252·4	18th, 19th	264·4	*264·5*	—0·4	59	— 30
426	St. John's, Newfoundland	47 34	52 42	38·1	1003·9	1008·8	+ 0·4	269·1	277·4	12th, 25th Sea Temp.	261·9	253·6	2nd	265·5	*265·5*	—2·7	240	+111
430	50°—45° N. 35°—30° W.	††47 8	††32 33	§(67–72)	..	1013·5	..	..	..	284·5—0·4	..	..	..	..	281·5	..	..	..
435	Madrid	40 24	3 41	667	941·4	1020·8	+ 0·4	283·3	286·2	18th	275·8	270·5	7th	279·6	*279·2*	+0·6	66	+ 29
436	Nantes	47 15	W 1 34	36·5	1018·5	1023·1	+ 4·8	281·7	289·0	23rd	275·0	270·0	14th	278·4	278·1	—0·4	4	— 51
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1018·6	1024·9	+ 6·5	281·4	288·9	22nd	273·3	269·3	12th	277·4	277·1	+0·5	5	— 28
438	Marseille	43 18	5 23	75	..	1019·0	+ 2·6	285·7	288·9	20th	276·0	271·6	8th	280·9	*280·4*	0·0	32	— 5
438*a*	Zürich	47 23	8 33	493	964·1	1024·8	+ 4·4	279·0	284·2	25th	270·9	267·7	28th	275·0	274·2	+0·4	10	— 46
439	Rome	41 54	12 27	45·5	1014·7	1020·0	+ 3·5	285·7	288·0	19th	277·3	274·1	28th	281·5	*281·1*	0·0	106	+ 42
440	Vienna	48 15	16 22	203	998·9	1024·3	+ 5·3	276·8	282·8	1st	272·3	266·2	12th	274·5	274·5	+1·5	90	+ 57
440*a*	Budapest	47 31	19 2	130	1007·4	1023·8	+ 4·7	278·6	283·8	2nd, 27th	271·7	266·3	23rd	275·1	*274·6*	+1·6	62	+ 32
441	Sofia	42 42	23 20	550	957·2	1025·1	+ 6·1	275·6	281·0	2nd	269·4	264·4	26th	272·5	*272·1*	—1·2	21	— 10
442	Bucharest	44 25	26 6	82	1015·0	1025·5	+ 5·2	274·3	285·5	1st	266·4	258·9	13th	270·3	270·2	—2·2	59	+ 32
443	Odessa (University)	46 29	30 46	65·3	1017·1	1025·6	+ 6·2	271·9	277·7	1st	265·4	259·4	10th	268·6	*268·7*	—1·9	2	— 19
444	Kharkov (University)	50 0	36 14	140	1008·0	1026·4	+ 5·7	267·1	274·4	15th	259·5	250·2	17th	263·3	*263·1*	—4·1	9	— 17
444*a*	Novorossiisk	44 44	37 49	37·1	1017·4	1022·1	+ 3·8	275·2	283·4	3rd	267·2	259·0	22nd	271·2	*271·2*	—5·0	22	— 47
445	Tiflis	41 43	44 48	404	973·9	1024·0	+ 2·2	276·5	280·8	19th	270·0	266·0	9th	273·3	272·9	—2·1	11	— 8
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 5·9	..	..	..	277·3	285·7	17th	272·2	265·4	7th	274·8	*274·7*	—2·6	2	— 13
449	Kasalinsk	45 46	62 7	67	1015·8	1024·6	— 0·1	269·0	276·5	17th, 22nd	260·9	248·7	7th	265·0	*265·1*	+2·8	4	— 4
450	Tachkent	41 20	69 18	478	965·4	1024·3	+ 0·1	279·2	291·4	22nd	270·3	258·3	9th	274·8	*274·4*	+0·1	77	+ 47
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	273·9	287·2	23rd	264·0	254·0	10th	268·9	*268·7*	..	63	..
461	Moukden	41 48	123 23	43·8	1017·9	1023·6	— 2·8	272·8	282·4	25th	258·9	254·5	3rd, 4th	265·9	265·6	+2·3	3	— 3
462	Joshin	40 40	129 11	31·9	1015·2	1019·3	— 0·8	274·8	282·3	26th	266·3	259·3	18th	270·5	270·5	+2·0	0	— 10
463	Yuki	42 20	130 24	65·6	1010·5	1019·0	— 1·3	272·2	277·7	27th	263·6	258·7	4th	267·9	267·6	+0·9	0	— 11
464	Vladivostok	43 7	131 55	128	1002·4	1019·2	— 2·6	272·6	274·0	27th	259·1	252·4	4th	263·3	263·1	+0·1	4	— 5
465	Ochiai	47 20	142 46	6·6	1012·6	1013·5	+ 0·3	266·4	275·1	27th	249·3	240·5	15th	257·9	259·3	—0·8	10	— 39
466	Nemuro	43 20	145 35	26·7	1007·7	1011·1	— 1·6	270·8	280·3	27th	263·9	257·7	25th	267·4	267·7	+0·1	35	+ 8
466*a*	Syana	45 14	147 53	39·3	1005·2	1010·3	— 1·1	269·0	273·1	27th	263·0	255·8	11th	266·0	266·6	+0·5	17	— 33
		N.	E.															

Between Latitude 40° N. and 30° N. FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1015·4	1021·3	+ 2·2	288·3	293·6	25th	280·9	277·4	15th	284·6	*284·5*	+0·8	35	—56
512	San Luis Obispo	35 18	120 39	61·3	1012·9	1020·6	+ 1·6	291·9	303·6	24th	279·2	272·4	15th	285·6	*285·0*	+0·2	55	—43
513	San Diego	32 43	117 10	26·5	1015·2	1018·3	+ 0·7	290·5	304·7	24th	281·3	276·9	8th	285·9	*285·6*	0·0	9	— 43
514	Modena	37 48	113 54	1670	834·7	1018·9	+ 1·5	281·8	291·9	26th	267·1	256·3	16th	274·4	*274·5*	+1·8	4	— 24
515	Santa Fé	35 41	105 57	2138	785·8	1017·3	+ 1·4	280·7	290·2	24th	268·5	260·8	19th	274·6	*274·4*	+1·4	8	— 11
516	Denver	39 45	105 0	1613	836·2	1017·6	+ 1·4	282·0	294·1	28th	269·6	258·6	8th	275·8	*275·8*	+3·3	7	— 6
517	Abilene	32 23	99 40	530	956·3	1018·6	+ 0·3	290·0	301·3	13th	275·6	268·6	8th	282·8	*282·1*	+2·0	39	+ 14
518	Saint Louis	38 38	90 12	173	997·0	1017·9	— 1·8	282·9	295·8	15th *	274·3	268·0	20th	278·6	*278·2*	+4·4	27	— 43
519	Mobile	30 41	88 2	17·4	1017·1	1019·3	— 0·3	290·9	299·7	5th	281·8	274·7	20th	286·3	*286·2*	+1·4	36	— 99
520	Nashville	36 10	86 47	166	999·3	1019·3	— 0·9	284·8	296·3	14th	275·8	268·6	25th	280·3	*280·1*	+2·0	119	+ 9
521	Charleston	32 47	79 56	14·6	1017·1	1018·9	— 1·2	289·2	299·1	17th	280·9	275·8	22nd	285·0	*284·9*	+1·0	32	— 52
522	Washington	38 54	77 3	34·1	1014·7	1019·3	— 0·3	281·3	295·8	16th	272·5	266·9	21st	276·9	*276·8*	+2·4	58	— 23
523	Bermuda	32 17	64 46	46·0	1013·0	1018·5	+ 0·2	293·6	295·8	21st	287·4	284·1	9th	290·5	*290·1*	+0·1	141	+ 23
524	Santa Cruz (Flores)	39 27	31 9	28	1017·4	1020·4	— 0·7	288·6	291·9	19th, 20th	283·8	279·0	18th	286·2	*286·3*	—0·4	168	— 6
530	Horta	38 32	28 38	65	1013·5	1020·7	— 0·4	288·6	293·1	9th	284·4	280·8	18th	286·5	286·5	—0·8	103	+ 3
531	Ponta Delgada	37 44	25 40	22	1019·2	1021·1	+ 0·9	288·3	290·1	2nd	284·5	282·0	18th	286·4	286·6	—0·6	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	162	+ 38
532*a*	Madeira (Funchal)	32 37	16 54	25	‡1017·5	‡1020·5	— 0·3	290·5	292·7	8th	285·1	283·0	28th	287·8	*287·9*	—0·2	124	+ 33
533	Lisbon	38 43	9 9	95	1006·3	1017·8	— 1·9	287·2	290·3	28th	281·3	277·2	11th	284·3	*284·1*	—0·1	47	— 44
534	Melilla	35 18	2 59	8	1018·0	1019·0	— 1·1	290·7	295·0	4th	281·6	276·4	8th	286·2	*288·1*	—0·3	101	+ 45
535	Gibraltar	36 6	5 21	16·2	1016·0	1017·9	— 2·1	288·1	291·3	24th	283·0	278·6	8th	285·5	*285·8*	—0·8	383	+276
535*a*	Colomb-Béchar	31 6	4 6	786	..	..	..	..	..	..	277·4	273·0	8th	..	*282·9*	..	1	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1015·9	1018·7	+ 1·0	286·9	290·2	2nd	279·6	275·0	15th	283·3	..	−1·0	75	+ 40
538	Algiers (Bouzaréah)	36 48	3 2	342	976·8	1017·0	− 1·6	286·4	292·3	20th	281·3	277·6	6th	283·9	283·7	+0·5	66	− 1
539	Tunis	36 48	10 10	21	1016·9	1019·4	..	289·0	293·0	5th	280·4	276·8	13th	284·7	*284·5*	+0·8	22	− 20
539*a*	Malta	35 54	14 31	56·4	..	1018·6	+ 2·6	287·8	291·0	7th	283·8	279·6	2nd	285·8	*285·3*	−0·1	29	+ 25
540	Riposto	37 41	15 14	14·2	..	1021·4	+ 4·3	286·8	288·2	5, 8, 15	282·2	279·8	28th	284·5	*284·2*	−0·4	98	− 5
541	Athens	37 58	23 43	107	1007·8	1021·0	+ 4·4	283·6	290·5	6th	277·7	272·6	23rd	280·6	280·3	−1·7	33	− 3
542	Alexandria	31 12	29 53	32·0	1015·0	1018·9	+ 2·0	291·8	296·7	19th	283·8	281·0	1st, 2nd	287·8	*287·7*	+0·2	20	
543φ	Nicosia (P.W.D.)	35 9	33 22	159	997·5	1016·6	+ 0·7	286·1	290·8	7th	277·2	272·4	16th, 24th	281·7	..	−1·4	100	+ 40
544	Beirut	33 54	35 28	33·7	..	1016·7	+ 0·3	288·5	294·2	20th	282·9	277·3	25th	285·7	*285·5*	−1·1	155	+ 4
545	Baghdad	33 21	44 28	38·1	1013·5	1018·3	− 1·5	289·9	296·6	22nd	278·5	271·6	1st	284·2	*282·2*	−1·3	6	− 27
546	Lenkoran	38 46	48 51	−20·0	1025·5	1023·1	+ 1·7	..	292·2	21st	273·7	270·9	28th	..	*276·0*	−1·5	160	+ 90
547	Tehran	35 41	51 25	1220	..	..	..	282·1	292·7	22nd	270·7	262·4	2nd	276·4	*276·3*	−1·8	65	+ 40
548	Meshed	36 16	59 35	946	..	..	..	282·4	297·4	23rd	270·6	265·5	8th	276·5	..	+0·4	21	− 2
549	Seistan	31 0	61 30	?	..	..	..	291·7	300·9	24th	274·9	269·6	9th, 10th	283·3	..	..	1	..
550	Quetta	30 11	67 3	1677	834·7	..	+ 0·7	288·6	298·9	25th	270·6	265·6	9th	279·6	*279·5*	+1·0	5	− 44
551	Peshawar	34 2	71 37	339	977·5	1018·3	− 1·0	295·0	303·0	24th, 25th	278·7	274·1	9th, 10th	286·9	*286·3*	+1·6	11	− 26
551*a*	Lahore	31 34	74 20	214	989·1	1015·0	− 1·8	297·8	304·7	24th, 25th	280·4	274·8	11th	289·1	*288·7*	+1·6	0	− 25
552	Simla	31 7	77 8	2205	780·7	..	+ 0·9	283·3	289·7	27th	277·5	272·6	9th	280·4	*280·3*	+2·5	34	− 50
552*a*	Leh	34 10	77 42	3503	664·7	..	+ 1·3	275·6	284·2	26th	261·3	249·8	1st	268·4	*267·4*	+1·3	4	− 4
559	Hankow	30 35	114 17	37·0	1019·1	1023·8	− 1·7	286·6	301·0	26th, 27th	276·8	271·4	4th	281·7	*281·4*	+2·8	21	− 10
560	Tientsin	39 10	117 10	5·0	1024·1	1024·7	− 1·7	279·0	288·4	25th	266·9	261·7	3rd	272·9	*272·7*	+1·4	0	− 3
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1023·3	− 1·7	284·9	301·5	27th	273·5	266·8	4th	279·2	278·2	+1·1	38	− 20
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1013·1	1021·8	− 1·3	276·6	282·1	12th	268·7	263·7	18th	272·7	272·0	+0·8	13	− 4
562*a*	Nagasaki	32 44	129 52	133·	1003·2	1019·6	− 1·1	283·4	293·9	28th	276·3	272·5	21st	279·9	279·5	+0·7	49	− 12
563	Kyoto	35 1	135 44	42·9	1012·3	1017·6	− 1·0	282·9	293·4	27th	271·6	268·0	19th	277·3	276·2	+0·5	49	− 34
564	Tokyo	35 41	139 45	21·3	1011·6	1014·3	− 1·8	282·2	293·3	27th	271·7	268·7	23rd	277·0	276·5	−0·2	86	+ 19
565	Kanayama	37 53	140 46	24·6	1010·9	1014·0	− 1·8	278·7	288·0	27th	269·3	262·9	22nd	274·0	273·9	−0·1	82	+ 8
566	Miyako	39 38 N.	141 59 E.	30·4	1008·5	1012·4	− 2·2	279·7	285·8	27th	268·7	264·5	22nd	274·2	273·3	+0·8	46	− 20

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1012·5	− 3·3	293·8	296·9	7th	288·4	283·6	28th	291·1	*290·7*	..	154	..
605	Honolulu	21 19	157 52	11·6	1015·7	1017·0	− 0·4	298·5	299·7	..	293·2	290·2	..	295·9	*295·6*	+1·3	29	− 79
614	La Paz	24 10	110 20	12	1013·6	1015·0	..	297·5	305·2	14th	284·7	280·2	21st	291·1	..	..	0	..
615	Chihuahua	28 38	106 4	1423	860·4	1018·5	..	291·4	297·5	26th	275·7	270·7	sev. dates.	283·6	*283·1*	..	14	..
616	Leon	21 7	101 41	1809	821·4	1012·9	+ 0·2	296·4	299·3	26th	279·4	273·5	13th	287·9	*288·3*	0·0	0	− 8
616*a*	Monterry	25 40	100 18	528	956·5	1017·3	..	295·7	304·5	6th	283·0	274·0	21st	289·3	*289·5*	..	7	..
617	Tulancingo	20 5	98 22	2180	792·5	..	..	291·5	296·0	..	277·5	269·0	..	284·5	284·8	−1·4	1	− 7
618	Galveston	29 18	94 50	16·5	1017·3	1019·3	+ 0·5	290·6	295·8	7th	284·3	275·8	20th	287·4	*286·8*	+0·7	8	− 65
618*a*	New Orleans	29 57	90 4	16·2	..	1019·3	+ 0·3	293·2	299·7	7th	284·1	275·8	20th	288·7	*288·2*	+1·7	49	− 63
619	Merida, Yuc.	20 58	89 38	22	1014·4	1017·0	..	302·9	305·4	5th	291·6	288·2	28th	297·3	*296·6*	..	13	..
620	Havana	23 8	82 21	24·3	..	1018·6	+ 0·7	300·1	304·0	10th	292·3	286·7	27th	296·2	*295·7*	+1·0	8	− 28
620*a*	Key West	24 33	81 48	6·7	1017·8	1018·6	0·0	298·0	301·3	6th	292·3	286·3	27th	295·2	*294·6*	0·0	46	+ 7
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	297·6	..	..	290·8	..	..	294·2	*294·1*	−1·0	23	− 18
622	Watling Island	24 6	74 26	33·5	1015·5	1019·4	+ 1·1	..	301·3	24th	..	290·2	14th	..	*296·9*	..	..	..
633	Izaña	28 19	16 30	2367	764·8	..	..	280·2	287·1	19th	271·4	265·0	22nd	275·8	*274·9*	−0·4	33	..
634	La Laguna	28 28	W16 20	547	954·5	1018·7	0·0	288·9	293·1	28th	281·8	276·4	7th	285·4	*284·8*	−0·3	68	− 19
641	Siwa	29 12	E 25 29	−23	1022·3	1019·5	..	294·1	300·3	19th	277·3	273·9	18th	285·7	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	1005·0	1019·0	+ 2·1	291·4	297·3	19th	281·1	277·0	25th	286·3	*286·0*	−1·1	5	0
643*a*	Aswan	24 2	32 53	99·6	1005·2	1017·1	+ 0·6	297·7	304·8	20th	282·1	279·0	1st, 2nd	289·9	*289·2*	−0·8	..	..
644	Tor	28 14	33 37	1·9	1017·1	1017·4	+ 1·4	293·1	296·2	14th	281·4	279·2	26th	287·2	*287·3*	−0·8	0	..
647	Bushire	28 59	50 53	4·3	1016·9	1017·5	+ 1·0	291·6	297·1	22nd	284·4	280·0	2nd	288·0	*287·7*	−0·1	16	− 33
648	Jask	25 44	57 47	4·0	1016·1	1016·5	+ 0·4	297·8	301·5	28th	285·8	281·5	5th	291·8	*291·5*	−1·4	1	− 23
649	Karachi	24 53	66 57	4·0	1015·0	1015·5	− 0·8	298·6	304·1	18th	288·6	284·7	9th	293·6	*293·3*	−0·4	0	− 11
650	Jacobabad	28 17	68 29	56·7	1008·6	1015·4	− 0·9	298·9	305·3	26th	281·8	276·7	5th, 10th	290·3	*289·9*	+0·1	0	− 9
651	Jaipur	26 56	75 52	436	965·2	1016·1	− 0·8	301·1	307·6	25th	282·9	277·8	10th	292·0	*291·5*	+0·6	0	− 8
652	Nagpur	21 8	79 5	310	979·0	1014·7	− 0·4	305·5	310·2	28th	287·2	282·8	1st	296·3	*296·1*	−0·1	0	− 13
653	Allahabad	25 25	81 51	94·1	1003·8	1014·5	− 0·7	300·7	307·4	28th	283·8	279·7	11th	292·3	*291·7*	+0·6	1	− 13
653*a*	Darjeeling	27 3	88 18	2266	775·1	..	− 0·1	283·5	289·0	25th	276·1	272·8	1st	279·8	*279·7*	+1·3	0	− 28
654	Calcutta	22 36	88 23	6·4	1013·0	1013·8	− 1·1	301·3	305·3	28th	288·8	284·1	11th	295·1	*294·9*	+0·6	12	− 17
655	Gauhati	26 8	91 41	59·7	1008·4	1015·4	− 0·9	298·6	302·7	27th	284·7	280·6	10th	291·6	*290·7*	+0·4	21	− 15
655*m*	Cherrapunji	25 15	91 42	1314	869·3	..	− 0·5	290·3	293·6	28th	284·9	281·5	6th	287·6	*287·0*	+2·3	13	− 66
655*a*	Akyab	20 11	92 56	6·1	1012·0	1012·7	− 1·4	301·4	304·1	26th	287·7	284·1	12th	294·6	*294·4*	−1·1	0	− 3
656	Mandalay	21 59	96 0	76·2	1004·6	1013·5	− 0·6	305·4	308·6	28th	287·9	284·4	2nd	296·7	*296·0*	−0·2	0	− 2
656*a*	Tengyueh	25 2	98 33	1625	833·4	1011·1	− 1·4	290·2	295·8	27th	274·2	271·3	4th	282·2	*281·6*	−0·5	10	− 17
657	Phu Lien	20 48	106 38	116	1003·6	1017·5	+ 0·6	291·9	298·3	26th	286·6	282·7	4th	289·3	288·8	−1·0	68	+ 41
658	Moncay	21 31	107 51	9	1016·9	1018·0	+ 0·8	291·6	298·6	25th	285·2	279·7	3rd, 4th	288·4	*288·7*	−0·8	107	+ 64
659	Hongkong	22 18	114 10	33·2	..	1018·2	− 0·5	291·2	298·7	28th	286·3	279·7	4th	288·7	288·4	+0·6	26	− 15
660	Amoy	24 27	118 4	ca.3	1019·9	1020·3	− 1·0	290·6	296·3	27th, 28th	284·5	280·8	6th	287·6	*287·7*	+1·1	10	− 55
661	Taihoku, Formosa	25 2	121 31	9·3	1018·5	1019·6	− 0·4	292·3	303·3	28th	284·1	279·3	22nd	288·2	287·8	+0·2	34	− 90
661*a*	Basco	20 28	121 59	18·7	1011·1	1013·5	− 0·9	..	..	..	292·2	289·0	18th	..	*294·8*	−0·7	145	+ 27
662	Naha	26 13	127 41	10·5	1017·4	1018·7	− 0·3	293·1	299·3	28th	285·4	279·4	23rd	289·3	288·9	−0·1	205	+ 70
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1015·7	1016·2	− 0·3	292·9	295·9	12th	286·7	280·1	27th	289·8	289·9	−0·5	65	− 91
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. φ For Cairo *see* No. 643.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	957·5	1014·9	..	300·8	304·0	27th, 28th	290·8	287·5	6th	295·8	*295·2*	..	0	..
716	Morelia	19 42	101 7	1923	809·8	1011·7	..	292·9	295·0	28th	283·8	280·5	14th	288·3	*288·1*	..	4	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·8	..	0·0	295·4	299·1	28th	276·7	271·0	4th	286·1	285·6	−1·0	5	− 2
718	Salina Cruz	16 12	95 12	56	1007·6	1014·9	..	301·5	305·5	27th	294·6	292·1	27th	298·1	*297·6*	..	0	..
719	San Salvador	13 42	89 13	682	937·2	1013·0	+ 1·3	305·9	309·0	22nd	288·3	283·0	27th	297·1	*295·3*	−0·3	0	− 8
720	Belize	17 29	88 12	5·2	1016·2	1016·8	+ 1·6	..	..	..	293·2	288·6	27th	..	‡*295·8*	..	100	+ 25
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·1	+ 0·3	302·1	304·4	28th	292·8	291·2	18th	297·4	*297·3*	0·0	38	− 6
722	Port au Prince	18 33	72 20	37·4	1011·7	1016·0	0·0	303·9	306·2	21st	293·8	292·3	4th	298·8	*298·0*	+0·1	139	+ 82
723	Caracas	10 30	66 55	1042	900·4	1015·8	+ 1·0	298·7	301·4	19th	285·7	281·9	15th	292·2	*290·5*	−0·9	0	− 9
724	Montserrat	16 41	62 9	39·6	1011·3	1015·9	− 0·3	302·9	‡305·2	18th, 26th	294·7	292·4	15th	298·8	*298·3*	+0·8	62	− 25
724ø	Grenada (Richmond Hill)	12 5	61 46	155	‡ 996·1	‡1014·0	+ 0·1	301·1	303·0	16th, 21st	295·4	294·1	2nd, 4th	298·3	*297·9*	+0·2	60	− 11
725	Barbados	13 8	59 36	55·2	..	1014·7	− 0·2	301·6	302·3	18th	294·2	292·9	9th	297·9	*297·2*	+0·5	27	− 29
731	São Vicente, C. Verde Is.	16 54	25 4	11	1015·0	1016·3	+ 1·1	297·0	298·0	4, 6, 15	..	..	..	..	*294·4*	+0·1	0	− 5
732	San Tiago, C. Verde Is.	14 54	23 31	‡40	1010·5	1015·1	+ 0·1	296·7	299·0	3rd, 4th	291·9	291·2	1, 16, 25	294·3	*295·9*	−0·9	0	− 2
733	Bathurst	13 27	16 36	1·8	1013·5	1013·6	+ 0·6	302·6	308·0	28th	289·9	287·4	6th	296·3	*295·9*	−0·6	0	0
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	309·1	311·9	20th	291·9	289·1	10th, 13th	300·5	..	+0·3	0	0
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	*302·7*	..	0	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	310·4	314·1	27th	..	..	..	..	‡*297·9*	−0·2	0	0
738	Kaduna Capital	10 32	7 25	637	944·3	1015·3	+ 1·2	307·3	309·7	24th	288·6	286·3	4th	297·9	*297·8*	−0·4	0	− 1
739	Hadeija	12 40	10 5	?	..	..	..	311·2	315·2	24, 25, 26	283·9	279·7	1st	297·6	*297·4*	−0·2	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	310·2	316·3	26th	287·1	283·6	2nd	298·7	*298·6*	−0·1	0	0
741	El Fasher	13 32	25 18	730	..	..	..	304·0	309·0	20th	281·5	273·8	1st	292·8	‡*291·2*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	303·7	307·4	21st	281·1	275·1	1st	292·4	*292·1*	−2·3	0	0
743ø	Khartoum	15 37	32 33	390	967·6	1012·0	+ 0·4	303·4	307·2	21st	286·6	280·9	2nd	295·0	*296·3*	−0·7	0	0
744	Port Sudan	19 37	37 13	5·5	1014·3	1015·0	+ 1·3	298·7	300·1	10th	291·4	287·9	1st	295·0	*294·9*	−0·9	8	+ 2
745	Berbera, Somaliland	10 22	45 2	9·5	1013·5	1014·5	− 0·8	301·8	304·1	5th, 28th	293·1	290·2	1st, 8th	297·5	*298·0*	−0·6	2	− 6
746	Aden	12 45	45 3	28·7	1011·5	1014·7	− 0·6	299·4	301·3	22nd	295·6	293·9	28th	297·5	*296·9*	−0·6	0	− 5
751	Bombay	18 54	72 49	11·3	1011·9	1013·3	− 1·2	302·1	308·3	17th	293·4	291·0	6th	297·8	296·8	+0·6	0	− 1
752ø	Kodaikanal	10 14	77 28	2343	771·2	..	− 1·0	291·9	294·9	28th	280·4	277·6	26th	286·1	*286·2*	−0·6	0	− 35
753	Bangalore	12 59	77 38	920	912·0	1013·5	− 0·6	303·7	305·5	1st	288·1	285·4	27th	295·9	*295·5*	+0·3	0	− 4
754	Madras	13 4	80 14	6·7	1012·7	1013·5	− 0·8	303·0	304·2	17th	292·5	290·4	12th	297·7	*297·4*	−0·4	0	− 8
755	Vizagapatam	17 42	83 19	11·6	1012·7	1014·1	− 0·5	301·5	302·6	28th	294·8	290·9	18th	298·2	*297·7*	..	0	− 23
756	Port Blair	11 40	92 40	18·0	1009·1	1011·2	− 1·9	302·6	303·8	7th	296·1	293·8	5th	299·3	*298·8*	−1·2	3	− 21
757	Rangoon	16 46	95 48	5·5	1012·3	1012·9	− 0·5	306·2	308·6	20th	292·1	289·1	2nd	299·1	*297·9*	−0·3	0	− 6
758	Saigon	10 47	106 42	11	1009·1	1010·3	− 0·8	305·6	307·8	11th	294·2	290·8	8th	299·9	*299·2*	−0·3	1	− 2
759	Nhatrang	12 15	109 12	3·6	1012·6	1013·0	− 0·8	300·9	302·3	18th	293·2	289·9	9th, 14th	297·1	*296·6*	−0·9	1	− 16
761	Bolinao	16 23	119 53	7·1	1007·7	1008·6	− 3·0	303·6	308·0	28th	295·7	292·0	22nd	299·7	*298·8*	−0·2	3	− 8
761*a*	Vigan	17 34	120 23	12·2	..	1010·1	− 2·0	302·6	306·4	1st	294·4	292·4	18th	298·5	298·4	−0·2	7	+ 2
762	Manila	14 35	120 59	14·2	..	1010·4	− 1·9	303·7	306·8	28th	294·6	290·8	17th	299·1	298·4	+0·1	44	+ 33
763	Ormoc	11 0	124 36	5·6	1007·5	1008·3	− 2·1	305·4	306·7	12th	294·8	291·1	6th	300·1	*299·4*	+1·4	140	+ 30
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1006·3	1008·9	− 1·2	302·5	304·2	17th	297·2	295·1	12th	299·9	*299·5*	+0·4	25	− 51

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1012·5	+ 0·5	302·7	303·6	4th	297·4	295·2	6th	300·0	*299·6*	+0·6	41	− 1
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	104	+ 46
822*a*	Merida, Venez.	8 36	71 9	1641	‡842·3	..	+ 0·1	296·7	299·0	21st, 25th	287·3	285·5	9th	292·0	*291·0*	+0·2	33	− 11
824	El Peru, Guayanavieja	7 19	61 49	220	?986·6	?1011·7	+ 0·4	302·2	304·1	22nd	292·4	290·8	16th	297·3	*296·7*	−0·3	9	− 60
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·6	+ 1·3	302·2	303·0	21st	296·7	294·7	6th	299·4	*299·1*	+0·1	12	−106
826	Paramaribo	5 49	55 9	3·7	‡1014·4	‡1014·8	+ 1·6	302·1	303·8	19th	294·1	291·7	28th	298·1	*298·1*	+0·1	41	−128
826*a*	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Konakri	9 4	13 42	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·2	1011·1	+ 0·3	305·8	309·1	17th	..	..	..	..	‡*300·9*	+0·3	0	− 8
835	Assuantsi	5 18	1 15	101	..	..	..	306·9	309·1	16th	294·4	290·8	8th	300·7	*299·9*	..	44	..
836	Accra	5 33	W 0 12	25·1	..	..	..	303·9	..	..	297·2	..	..	300·6	*300·1*	+0·8	8	− 17
837	Lagos	6 27	E 3 24	6·7	1009·8	1010·5	− 1·0	304·2	305·8	..	298·2	293·0	..	301·2	*300·8*	+0·2	1	− 52
838	Zungeru	9 48	6 10	130	..	..	..	311·7	314·1	14th	291·2	286·9	12th	301·4	*301·3*	−0·2	0	− 1
839	Yola	9 12	12 30	259	..	..	..	311·2	314·1	21st	..	..	..	..	‡*301·3*	0·0	0	0
841	Wau	7 42	28 3	440	..	..	..	309·5	312·5	23rd, 24th	290·9	287·5	1st	300·2	*298·5*	−1·5	0	− 6
843	Malakal (Kodok)	9 35	31 37	394	964·6	1008·7	+ 0·5	308·9	312·0	21st	291·4	288·3	1st	300·2	*298·6*	−1·0	0	0
843*a*	Mongalla	5 11	31 47	439	959·6	1007·8	+ 1·3	..	..	..	293·7	289·0	1st, 19th	..	?*301·2*	+0·6	2	− 17
844	Entebbe	0 5	32 29	1171	882·4	1008·3	− 0·7	298·9	301·6	4th	290·3	289·1	19th	294·6	*294·2*	−0·3	47	− 44
851	Minicoy	8 17	72 49	2·1	1013·1	1013·3	+ 0·5	..	..	..	..	..	..	..	..	..	0	− 16
851*a*	Cochin	9 58	76 21	2·7	1012·0	1012·4	− 0·8	304·9	305·7	27th	296·3	294·7	16th	300·6	*300·1*	−0·2	1	− 20
852	Colombo Observatory	6 54	79 53	7·3	..	1010·6	− 0·4	303·7	306·7	11th	294·1	291·7	22nd	298·9	*298·4*	−0·6	5	− 40
853	Nuwara Eliya	6 59	80 46	1886	813·3	1014·1	..	294·6	296·2	6th, 14th	277·5	270·8	25th	286·1	*285·1*	−1·1	1	− 50
854	Trincomalee	8 34	81 14	30·2	..	1011·4	+ 0·3	302·8	305·0	26th	296·0	293·9	2nd	299·4	*298·9*

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·0	306·8	14th	295·6	293·8	4th	299·3	*298·6*	−1·2	305	+ 99
926	Taperinha	2 30	54 20	20·0	1009·4	1011·7	+ 0·3	301·0	302·8	14th	295·2	293·2	14th	298·1	*297·4*	−0·2	268	..
927	Turyassu	1 43	45 26	15·1	1009·0	1010·8	− 0·1	302·9	305·0	7th	294·5	293·3	6th	298·7	*297·9*	−0·8	471	+ 157
928	Barra do Corda	5 30	45 16	81·0	1000·5	1009·8	− 0·3	303·5	305·0	25th, 26th	294·3	293·0	13th, 14th	298·9	*297·7*	−0·3	207	+ 25
930	Fernando Noronha	3 50	W32 25	106	..	..	..	304·0	307·8	1st	296·7	293·6	5th	300·4	*299·7*	−0·8	166	+ 65
939	Loanda	8 49	E 13 13	59·3	..	1011·8	+ 1·1	301·1	302·7	2nd	296·4	295·0	10th	298·7	298·6	−0·2	8	− 22
940	Brazzaville	4 17	15 16	320	‡974·2	‡1010·0	..	304·4	308·0	17th	296·2	293·0	26th	300·3	*299·7*	+0·9	35	− 90
943	Masaka	0 21	31 47	‡1280	..	..	..	299·1	301·3	5th, 28th	289·3	286·3	14th	294·2	*293·1*	−0·1	46	− 9
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	300·2	302·4	15, 21, 28	284·1	280·8	9th, 10th	292·2	..	..	13	− 35
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	299·1	301·3	15th	..	..	..	..	..	..	28	− 5
944*a*	Zanzibar	6 10	39 11	21·9	1009·9	1012·4	− 0·7	303·8	305·5	13th	299·7	297·4	2nd	301·7	*301·2*	+0·1	63	+ 5
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	303·6	sev. dates.	296·9	295·8	21st	299·4	*299·0*	−1·1	0	− 58
947	Seychelles, Port Office	4 37	55 27	4·6	1010·1	1010·6	− 0·8	301·7	302·9	13th	298·5	296·9	7th	300·1	*299·5*	+0·3	339	+ 91
957	Padang	0 56	100 22	6·7	..	1009·1	− 2·4	..	..	..	..	..	..	..	..	..	261	+ 3
958	Batavia	6 11	106 50	8·0	1007·4	1008·3	− 1·7	301·6	304·3	12th	296·2	295·3	5, 17, 18	298·9	298·5	0·0	407	+ 80
958*a*	Pontianak	0 1	109 20	2·6	..	1008·9	− 1·6	..	..	..	..	..	..	..	..	..	305	+ 101
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	142	− 135
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	539	+ 88
962	Amboina	3 42	128 10	4·2	..	1008·1	− 0·5	..	..	..	..	..	..	..	..	..	120	+ 3
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	91	− 155
965	Daru	9 4	143 13	7·6	..	1008·7	− 0·3	..	..	..	..	..	..	..	..	..	236	− 46
966	Port Moresby	9 29	147 9	39·0	..	1008·7	− 0·2	304·3	..	..	297·8	..	..	301·1	*300·7*	+0·6	157	− 78
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·8	1009·1	+ 1·3	305·1	306·3	27th	297·1	296·2	25th	301·1	*300·8*	+0·4	302	− 87
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	..	..	303·2	304·7	3rd	297·9	296·9	2nd	300·6	*300·0*	−0·2	44	− 180

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·7	+ 2·3	303·4	305·0	22nd	297·1	295·8	12th	300·3	299·9	+0·8	304	− 95
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	305·8	308·0	23, 24, 25	296·3	295·2	16th	301·1	*300·8*	+1·2	127	− 132
1021	Arequipa	16 22	71 33	2451	..	..	..	291·8	294·1	19th, 22nd	283·0	280·8	1st	287·4	*286·6*	−0·3	40	− 8
1022	Puerto de Arica	18 28	70 20	5	..	..	..	298·3	299·0	sev. dates	292·2	291·4	1st	295·3	..	..	0	− 0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·7	..	..	288·1	291·9	28th	280·6	278·2	15th	284·3	*284·0*	..	155	+ 36
1025	Corumba	18 59	57 39	116	996·6	1009·8	+ 2·0	304·8	307·0	16th, 22nd	294·9	289·2	3rd	299·8	*299·2*	−0·7	112	− 55
1026	Cuyaba	15 36	56 6	165	990·4	1009·2	− 0·1	305·3	308·0	18th	295·2	292·5	3rd	300·2	*300·2*	0·0	97	− 116
1027	Bello Horizonte	19 55	43 57	895	913·4	1011·4	− 0·8	300·8	305·0	9th	291·3	289·6	3rd	296·1	*295·4*	+0·1	137	− 88
1028	Caetite	14 3	42 37	897	915·0	1013·2	+ 0·5	299·9	302·7	20th	291·5	290·5	1st, 14th	295·7	*296·2*	+0·4	140	+ 40
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·3	1011·6	− 0·8	302·7	303·9	1st	296·7	295·3	13th	299·7	*299·4*	+0·4	105	− 1
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	946·9	1012·6	+ 2·5	297·8	301·7	26th	287·9	286·3	11th	292·9	*293·1*	+0·8	118	+ 21
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	298·3	301·0	15th	292·6	290·5	21st, 22nd	295·5	*295·8*	..	0	..
1042	Gwelo	19 28	29 48	1417	859·5	1009·5	− 0·7	300·3	303·0	3rd, 4th	289·3	286·9	1st	294·8	..	+0·9	268	+ 136
1043	Salisbury Gaol, Rhodesia	17 48	31 5	1457	853·6	1007·5	− 2·0	300·4	304·3	4th	289·4	286·9	1st, 22nd	294·9	*294·0*	+1·5	269	+ 81
1044	Zomba	15 23	35 18	955	904·3	1007·1	− 1·0	300·7	302·4	5th, 20th	291·6	289·7	13th	296·2	*295·9*	+1·0	311	+ 40
1045	Antananarivo	18 55	47 32	1400	861·9	1011·8	0·0	298·8	300·9	8th, 9th	288·5	284·9	3rd	293·7	*292·7*	−0·1	242	− 59
1055	Cocos Keeling Is.	12 5	96 53	4·6	1007·3	1007·9	− 2·9	302·9	304·8	6th	298·2	295·5	24th	300·6	*300·2*	+0·1	278	+ 91
1057	Christmas Island	10 25	105 43	5·5	1004·5	1005·1	− 2·3	302·7	305·8	..	297·4	296·3	..	300·1	*299·5*	−0·3	638	+ 335
1061	Kupang	10 10	123 34	45·1	..	1007·5	− 0·9	303·1	307·4	17th	296·5	294·4	4th	299·8	299·3	..	394	+ 15
1061*a*	Derby	17 18	123 40	16·2	1005·5	1007·4	− 0·1	305·8	309·3	2nd	297·9	294·3	5th	301·9	..	−1·1	107	− 43
1062	Hall's Creek	18 13	127 46	374	965·7	1007·4	+ 0·1	306·7	311·3	5th	296·8	294·3	8th	301·8	*301·4*	−0·7	209	− 88
1063	Darwin	12 28	130 51	29·6	1003·6	1007·0	+ 0·6	304·8	307·4	4th	297·5	296·3	6, 13, 19	301·1	*300·1*	−0·5	350	+ 21
1064	Daly Waters	16 16	133 23	211	982·1	1005·8	+ 0·4	306·9	311·3	3rd	296·1	293·6	12th	301·5	*301·1*	−1·1	279	+ 117
1065	Mein	13 13	142 47	122	993·5	1007·4	+ 0·7	303·7	305·5	5th, 20th	296·1	293·6	4th	299·9	*299·4*	−0·4	101	− 177
1066	Georgetown, Queensland	18 22	143 32	302	976·8	1010·8	+ 3·2	306·1	309·7	27th	294·8	291·3	18th	300·4	..	−0·3	83	− 125
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	?1005·9	− 2·1	304·1	..	..	..	..	..	..	‡*301·3*	+0·2	257	+ 70
1072	Suva, Fiji	18 8 S.	178 26 E.	17·7	1008·4	1010·5	+ 1·5	303·6	305·4	9th, 11th	296·6	294·3	23rd	300·1	*299·8*	+0·2	289	+ 32
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	302·6	304·1	2, 8, 24	296·5	295·2	18th, 19th	299·6	*299·3*	+0·6	137	− 117
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1011·9	1015·1	+ 0·7	292·8	294·7	15th	287·3	286·0	18th, 19th	290·1	*289·7*	−0·4	0	0
1122	Iquique	20 12	70 11	9	1012·7	1013·7	+ 0·3	297·2	300·6	12th	289·8	288·2	20th	293·5	*293·7*	−0·3	0	0
1123	Catamarca	28 27	65 47	510	950·8	1007·3	− 0·4	306·5	315·2	15th	291·6	286·4	1st	299·1	298·2	−0·6	39	− 24
1124	Salta	24 46	65 28	1178	881·4	1009·1	+ 0·1	299·5	303·2	12th	290·4	284·5	1st	294·9	294·5	+0·2	171	+ 46
1125	Goya	29 9	59 15	26	1007·0	1010·0	− 0·5	304·3	308·5	6th	294·0	288·6	2nd	299·1	298·9	+0·7	218	+ 118
1126	Asuncion	25 21	57 37	93	1000·4	1011·0	+ 1·0	310·0	312·2	4th	294·0	289·0	1st	302·0	299·8	−0·2	179	+ 62
1127	Curityba	25 25	49 17	908	912·7	1012·9	+ 0·3	298·9	304·9	7th	289·1	283·8	23rd	294·0	*292·8*	−0·3	266	+ 125
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·9	1012·0	− 0·3	302·4	307·4	13th	296·6	293·9	21st	299·5	299·2	+0·8	112	− 3
1139	Windhoek	22 35	E 17 5	1680	..	..	..	299·8	304·1	20th	289·2	283·1	3rd	294·5	*294·5*	−0·6	64	− 13
1140																		
1141	Kimberley	28 42	24 47	1202	880·7	1009·6	− 0·2	302·1	306·4	9th	289·3	284·1	5th	295·7	295·3	−1·0	105	+ 34
1141*a*	Johannesburg	26 11	28 4	1806	822·0	1011·6	− 0·1	296·8	301·3	6th	286·0	281·3	24th	291·4	*290·9*	−0·2	67	− 66
1142	Pretoria (Brooklyn)	25 46	28 13	1400	861·4	1010·7	+ 0·1	299·6	303·0	6th	287·9	283·1	26th	293·8	*293·3*	−0·6	50	− 74
1142*a*	Bulawayo	20 9	28 35	1340	866·5	1009·8	− 0·3	298·7	301·8	3rd	289·2	286·0	27th	293·9	*293·4*	−0·3	154	+ 52
1143	Durban	29 52	31 3	15·2	1013·2	1014·9	− 0·8	301·7	303·8	11th	294·3	292·2	25th	298·0	*297·5*	+0·4	301	+ 176
1144	Lourenço Marques	25 58	32 36	59	..	1012·7	− 0·4	303·7	307·6	4th	295·5	293·4	25th	299·6	299·1	+0·8	44	− 126
1147	Mauritius	20 6	57 33	55·2	1003·9	1010·2	− 0·8	301·4	304·0	3rd	296·1	294·3	1st, 28th	298·7	298·4	−0·4	128	− 85
1159	Onslow	21 43	114 57	4·3	1004·1	1004·7	− 1·9	308·3	315·3	25th	298·2	293·7	8th	303·2	..	+0·4	323	+ 299
1160	Peak Hill	25 38	118 47	588	941·6	1005·9	− 0·6	310·6	316·3	1st	297·4	291·6	18th	304·0	..	+1·1	20	− 11
1161	Nullagine	21 53	120 5	386	963·1	1005·9	− 0·5	309·0	314·6	1st	296·6	292·4	8th	302·8	..	−1·3	56	+ 1
1162	Laverton	28 40	122 23	466	958·6	1010·3	− 0·6	309·7	314·1	10th	295·0	291·3	26th	302·3	*302·1*	+2·2	5	− 24
1163	Alice Springs	23 38	133 37	587	942·9	1007·9	− 0·3	307·1	313·6	2nd	292·6	287·4	7th	299·9	*300·1*	−0·9	162	+ 120
1164	William Creek	28 55	136 21	76·2	1002·7	1011·5	+ 0·9	308·1	315·2	13th	294·3	289·7	19th	301·2	*300·9*	+0·1	47	+ 36
1164*a*	Boulia	22 55	139 38	146	991·9	1008·3	+ 2·0	308·9	314·1	2nd	296·4	294·3	19th	302·7	*302·9*	−0·4	22	− 30
1165	Thargomindah	27 58	143 43	123	997·5	1011·4	+ 2·6	308·2	314·3	2nd	296·2	290·3	19th	302·2	*301·9*	−0·2	5	− 37
1166	Mitchell	26 32	147 52	336	975·7	1013·3	..	304·9	309·1	5th	292·7	288·3	26th	298·8	..	+0·3	22	− 64
1167	Rockhampton	23 24	150 30	11·3	1012·9	1014·2	+ 4·1	302·9	307·8	6th	293·6	291·6	4th	298·3	*297·7*	−1·4	91	− 105
1168	Brisbane	27 28	153 2	41·7	1012·2	1016·9	+ 4·4	301·9	306·7	5th	292·8	291·4	10th	297·4	*296·9*	−0·3	27	− 130
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1014·9	1016·7	+ 3·9	298·6	300·2	10th, 17th	292·1	289·1	23rd	295·3	*294·9*	−0·1	22	− 115

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	1017·0	1018·2	− 1·5	295·8	298·2	10th	289·6	287·5	5th	292·7	*292·1*	+0·2	59	+ 26
1221*a*	Punta Tumbes	30 37	73 6	120	1001·8	1016·2	+ 1·1	291·8	294·0	13th	284·3	282·5	4th, 28th	288·1	*287·9*	−0·1	8	− 1
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·6	1014·5	− 0·1	295·1	299·2	8th	285·6	283·4	17th, 28th	290·3	*289·9*	−1·0	0	0
1222*a*	Santiago	33 27	70 42	520	953·8	1013·0	+ 0·4	301·8	305·3	23rd	283·5	281·5	16th, 18th	292·7	*291·9*	0·0	0	− 2
1223	Cordoba	31 25	64 12	423	962·3	1009·8	− 0·7	303·5	309·4	..	290·0	282·6	..	296·7	296·3	+0·9	51	− 59
1224	Bahia Blanca	38 45	62 15	25	1007·3	1010·3	− 0·7	301·8	311·0	13th	287·4	282·0	23rd	294·6	294·6	−0·5	90	+ 34
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1009·9	1012·8	0·0	300·7	306·7	14th	290·2	284·2	5th	295·5	295·4	−0·5	105	+ 43
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1011·9	− 1·1	299·7	306·0	15th	292·2	289·0	17th	295·9	*296·0*	+1·1	65	− 9
1226*a*	Porto Alegre	30 2	W51 13	23·5	1010·7	1013·4	+ 0·7	302·9	308·2	16th	292·7	289·0	2nd	297·8	297·1	−0·6	143	+ 59
1239	Cape Town	33 56	E 18 29	12·2	..	1011·4	− 2·0	301·1	310·8	24th	290·3	284·1	5th	295·7	*294·2*	+1·4	35	+ 20
1240	Danger Point	34 37	19 18	27·7	1004·6	1007·8	..	296·5	304·7	24th	290·1	286·3	6th	293·3	..	..	33	+ 13
1241	Riversdale	34 6	21 16	?61	1000·3	1007·3	..	302·3	313·6	24th	290·8	286·3	4th	296·6	..	..	93	+ 60
1242	East London	33 1	27 54	9·8	1010·0	1011·1	− 2·9	298·2	301·9	5th, 8th	291·0	289·1	8th	294·6	..	+0·4	73	+ 14
1259	Perth (Observatory)	31 57	115 51	60·0	1004·0	1010·9	− 2·4	306·7	314·2	6th, 8th	294·2	286·4	1st	300·4	*299·8*	+4·0	39	+ 27
1260	Katanning	33 42	117 35	310	979·0	1013·6	− 0·5	304·7	313·3	8th	289·3	281·9	1st	297·0	..	+2·8	36	+ 21
1261	Coolgardie	30 57	121 10	423	963·9	1011·4	− 1·0	308·4	315·1	10th	291·8	287·4	2nd	300·1	*299·9*	+2·7	0	− 19
1262	Eucla	31 45	128 58	4·6	1013·8	1014·4	+ 0·2	297·8	304·7	9th	291·4	284·1	5th	294·6	*293·9*	−0·1	1	− 15
1263	Streaky Bay	32 48	134 13	13·1	1013·5	1014·9	+ 0·6	305·1	313·7	11th	289·8	284·4	4th	297·4	*296·6*	+1·9	84	+ 72
1264	Adelaide	34 56	138 35	42·7	1011·5	1016·4	+ 2·1	304·6	315·1	12th	291·0	285·1	4th, 18th	297·8	297·1	+1·4	14	− 3
1265	Melbourne	37 49	144 58	35·1	1013·7	1017·9	+ 3·4	300·3	311·8	1st	289·3	284·8	8th	294·8	*294·4*	+2·1	38	− 6
1266	Bourke	30 13	145 58	111	1004·1	1016·7	+ 2·6	308·6	314·7	15th	293·2	287·4	4th	300·9	..	−0·4	37	− 6
1267	Sydney	33 51	151 13	40·5	1013·0	1017·8	+ 3·7	298·9	305·0	26th	291·4	288·6	5th	295·2	*295·1*	+0·4	24	− 84
1268	Lord Howe Island	31 20	159 0	4·6	1017·5	1018·1	+ 3·8	298·9	300·7	4, 5, 6	292·2	288·1	22nd	295·6	..	0·0	84	− 43
1271	Auckland	36 50	174 50	38·1	..	1016·6	..	294·9	298·6	12th	288·2	283·6	24th	291·6	..	−0·8	60	− 17
1272	Napier	39 32 S.	176 53 E.	21·3	..	1017·4	+ 2·2	295·7	303·0	11th	285·3	280·2	24th	290·5	..	−1·1	69	+ 4

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1012·4	..	..	..	..	..	..	..	..	..	..	50	− 12
1321	Isla Guafo	43 34	74 45	140	997·2	1014·0	− 2·2	286·9	290·1	9th	282·5	280·0	25th	284·7	*284·7*	−0·9	73	+ 12
1322	Punta Galera	40 1	73 44	40	1012·0	1016·8	+ 0·6	289·2	291·0	20th	283·3	281·0	4th, 23rd	286·3	*286·8*	−0·2	126	+ 50
1323	Sarmiento	45 30	69 0	274	974·6	1005·1	..	295·7	302·8	10th	282·4	279·0	3rd	289·1	288·6	−1·6	5	− 3
1324	Punta Madryn	42 49	W64 58	14	1007·3	1009·0	..	300·2	311·2	21st	285·5	279·8	22nd	292·9	292·2	−0·3	13	+ 2
1365	Launceston	41 27	E147 10	10·1	1016·7	1017·9	+ 3·6	300·3	307·2	10th	286·6	281·8	7th	293·4	*292·1*	+2·1	27	− 1
1366	Hobart	42 53	147 20	53·9	1012·7	1019·0	+ 5·7	294·7	302·1	12th	285·9	281·3	7th	290·3	*289·0*	+0·4	27	− 10
1370	Invercargill	46 25	168 21	3·7	..	..	..	291·6	299·7	16th	280·8	274·1	13th	286·2	..	−0·5	46	− 27
1371	Dunedin	45 52	170 31	91·4	..	1016·1	+ 3·0	291·8	299·7	27th	282·3	276·9	8th, 22nd	287·1	..	−0·1	26	− 42
1371*a*	Christchurch	43 31	172 39	7·6	..	1016·1	+ 1·6	292·5	299·2	26th	284·1	278·4	23rd	288·3	..	−0·6	25	− 21
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1017·4	+ 2·3	293·8	297·9	16th	285·5	278·7	13th	289·7	..	−0·2	18	− 62
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL.

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	993·4	1000·1	— 1·9	282·9	285·2	19th	279·4	276·8	4th	281·1	*281·4*	—0·5	221	— 32
1422	Puerto de Punta Arenas	53 10	70 54	28	994·6	998·0	— 2·7	286·1	290·5	19th	280·0	276·6	3rd	283·1	*283·2*	—0·5	39	+ 10
1423	Punta Dungeness	52 24	68 26	5	997·2	997·8	— 2·3	287·1	293·0	20th	280·4	279·0	2nd	283·7	*283·8*	—0·9	33	+ 14
1424	Santa Cruz	50 11	68 21	12	999·2	1000·6	— 5·0	292·6	299·8	20th	280·8	275·1	16th	286·7	286·4	—1·0	19	+ 12
1424*a*	Año Nuevo	54 39	64 8	50	990·9	996·9	+ 0·2	285·5	290·6	19th	278·4	275·9	3rd	282·0	*281·1*	0·0	67	— 2
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	997·2	999·8	— 1·5	284·7	288·0	21st	278·6	275·2	6th	281·6	282·3	—0·5	..	..
1429	S.Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	999·1	999·6	+ 3·3	280·4	287·0	25th	273·9	271·1	1st	277·1	*277·3*	—2·2	89	— 29

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	995·1	996·0	+ 4·6	274·4	279·0	24th	271·1	268·9	10th	272·7	272·8	—0·6	65	+ 20
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY, 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort). 9h.	Sierra Leone. 834. 17h.	Entebbe. 844. Direction and Force (Beaufort). 7h.	Entebbe. 844. 21h.	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 8h.	Ocean Island. 970. 21h.	Suva, Fiji. 1072. Direction and Force (Beaufort). 9h.
	9h.	m/s.		9h.	17h.	7h.	21h.		9h.	8h.	21h.	9h.
1	SSE	..	..	Calm 0	Calm 0	SE 1	N 1	..	Calm 0	E 3	E 3	NW 1
2	SSE	6·0	..	Calm 0	Calm 0	SW 1	S 2	..	Calm 0	E 3	E 3	NW 1
3	SSE	7·4	..	SE 1	Calm 0	S 1	S 1	..	Calm 0	E 3	E 3	Calm 0
4	SSE	7·1	..	Calm 0	Calm 0	SE 1	S 2	..	Calm 0	ESE 2	ESE 3	Calm 0
5	SE	6·4	..	SW 2	Calm 0	S 1	SE 2	..	Calm 0	ESE 3	E 3	NE 1
6	S	6·0	..	SW 1	SW 3	S 1	S 1	..	Calm 0	E 3	E 3	Calm 0
7	SSE	6·5	..	Calm 0	SW 3	S 1	SW 2	..	Calm 0	SE 4	ESE 3	E 2
8	SE	6·5	..	SW 1	SW 3	SW 1	SW 1	..	Calm 0	E 3	E 3	NE 2
9	SSE	5·7	..	SW 2	SW 2	S 1	SE 1	..	Calm 0	E 3	E 3	NE 3
10	SSE	4·3	..	SW 3	SW 2	S 2	SE 2	..	NW 2	E 3	E 3	NE 2
11	SSE	3·0	..	NE 1	SW 1	S 1	S 1	..	Calm 0	SE 3	E 3	E 2
12	SSE	4·9	..	W 2	SW 1	SSE 1	S 2	..	Calm 0	E 3	E 3	NW 1
13	SE	3·9	..	E 1	SW 1	SE 1	S 3	..	Calm 0	ESE 4	E 4	SE 4
14	SE	1·9	..	NE 1	NE 1	S 1	S 2	..	Calm 0	E 4	E 4	W 2
15	SE	..	..	NW 3	NE 1	SE 1	S 1	..	Calm 0	ESE 4	E 5	NW 1
16	Calm	..	..	NE 1	Calm 0	SE 2	S 1	..	Calm 0	E 4	E 4	Calm 0
17	Calm	..	..	SW 1	SW 3	S 1	SE 2	..	Calm 0	E 4	E 4	NE 2
18	Calm	..	..	Calm 0	SW 2	W 1	SE 1	..	NW 2	E 5	E 5	NE 1
19	Calm	3·3	..	NW 1	SW 1	S 2	S 2	..	NW 2	E 4	E 4	SE 2
20	SE	3·0	..	NW 1	SW 1	SE 1	SSW 1	..	Calm 0	E 3	E 3	SE 3
21	SE	..	..	Calm 0	SW 4	S 1	SW 2	..	Calm 0	ENE 4	E 5	SE 1
22	SE	..	..	Calm 0	SW 2	SW 1	SW 2	..	NW 2	E 5	E 5	N 1
23	Calm	..	..	W 2	SW 2	SE 1	SE 2	..	Calm 0	E 5	ENE 4	Calm 0
24	Calm	..	..	SW 1	SW 3	SW 1	S 1	..	Calm 0	ENE 4	E 2	NE 2
25	Calm	..	..	Calm 0	SW 2	SW 1	SW 1	..	Calm 0	E 3	E 2	NE 2
26	Calm	..	..	NW 2	Calm 0	SW 1	S 1	..	Calm 0	E 3	E 3	E 3
27	SE	..	..	SW 2	Calm 0	S 1	S 1	..	Calm 0	ENE 4	ENE 3	SE 3
28	SE	..	..	NW 2	SW 2	SE 1	SW 1	..	Calm 0	ENE 3	ENE 5	NW 1
Mean	..	5·1	..	1·1	1·4	1·1	1·5	..	0·3	3·5	3·5	1·5
§Resultant	150° (66)	..	..	230° (32)		180° (80)		..	315° (14)	90° (96)		50° (36)
§Normal	141° (90)	6·5	‖93° (79)	288° (21)		265° (30)		73° (82)	235° (19)	‖85° (35)		81° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 7608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1921.

‡‡ *Barents Sea.*—On the 10th the sea was free of ice at Bear Island, but about the 15th a broad ice belt lay round the Island with open water visible towards the we From the 22nd the sea was free of ice near the island, but on the 28th a little drift ice was observed close in.

‡‡ *Spitsbergen.*—Along the west coast the sea was open and the entrance to the Icefjord, the Foreland Sound, Kings Bay, Advent Bay and Bell Sound were free ice. About the 15th the fjords were frozen over and towards the end of the month brash formed in the Icefjord and the Foreland Sound.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 4 days visible.

‡‡ *Denmark Strait.*—At Angmagsalik there was ice everywhere.

‡‡ *N. Atlantic and Labrador.*—Five icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 12. The drift of floes increase Pack ice and many icebergs were observed at Belle Isle, and there was pack ice and drift ice in Belle Isle Strait and the Gulf of St. Lawrence.

‡‡ *Davis Strait and Baffin Bay.*—"Storis" was lying about 10 miles off shore from Cape Farewell to Julianehaab between the 11th and 22nd and remained at Julianeha until the end of the month. Winter ice was abundant but not stationary at Sukkertoppen. At Frederikshaab it often covered the sounds and bays and Julianehaab it appeared for a short time. West ice blocked the coast from Holstensborg to Upernivik and was observed at Sukkertoppen on a few days.

‡‡ *Isforholdene i de arktiske Have 1921*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1921

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MARCH—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1020·0	..	250·7	258·6	7th	243·8	232·4	23rd	247·3	..	—0·1	3	— 3
123	Inglefield Bay	77 27	66 40	?	?1006·0	..	..	..	..	..	..	?235·1	5th	..	*?243·1*	..	..	..
124	Upernivik	72 47	56 7	18·9	1001·9	1004·5	— 7·9	253·9	262·3	30th	246·0	240·0	2nd, 3rd	249·9	*249·1*	—2·6	23	+ 6
125	Jan Mayen					999·7												
135	Spitsbergen(GreenHarbour)	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
139	Björnöen	78 2	E 14 14	11·4	1001·0	1002·5	— 8·2	..	274·5	24th	252·3	236·8	6th	..	256·8	+3·6	27	+ 3
140	Gjesvaer	74 28	19 15	40·5	994·5	999·7	..	..	..	..	..	..	..	..	*264·2*	..	21	..
141	Mehavn	71 6	25 22	6·5	997·0	997·8	— 7·0	..	279·1	14th	269·3	261·2	3rd	..	*271·4*	+1·8	93	+ 46
142	Vardö	71 1	27 47	6·4	997·9	998·7	— 7·6	..	276·9	*15th	267·5	258·4	7th	..	*270·4*	+1·3	62	+ 6
143	Malye Karmakouly	70 22	31 8	10·0	998·4	999·7	— 6·1	..	275·8	12th	268·3	260·2	4th	..	*270·3*	+2·0	29	— 22
147	Waigatz	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148		70 24 N.	58 47 E.	11·2	1005·4	1006·9	— 1·3	258·9	273·0	31st	248·4	229·8	1st	253·6	*254·4*	..	3	..

Between Latitude 70° N. and 60° N. **MARCH—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1012·2	+ 0·8	266·4	274·1	29th	258·4	245·2	24th	262·4	*262·3*	+2·1	43	+ 20
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1016·9	— 0·2	265·6	274·7	30th	253·0	235·8	18th	259·3	*259·3*	+0·7	74	+ 57
206	Rampart	65 30	150 15	122	..	..	..	264·1	278·0	7th	251·2	235·8	14th	257·7	..	—0·2	36	+ 24
207	Valdez	61 7	146 16	8·2	..	1015·6	+ 5·5	274·6	279·7	24th	265·2	256·3	19th, 20th	269·9	*269·5*	+1·0	83	+ 7
208	Eagle	64 46	141 12	254	..	1016·9	+ 2·5	265·7	278·0	5th	252·7	233·0	25th	259·2	..	—0·4	11	0
209	Dawson	64 4	139 20	328	976·0	1019·5	+ 1·9	263·0	273·6	5th	249·7	237·4	25th	256·3	..	—0·7	22	+ 8
210	Carcross	60 11	134 34	662	..	..	..	269·3	279·7	6th	254·9	238·0	15th	262·1	..	—0·4	4	— 9
211	Fort Good Hope	66 15	128 31	65·2	1011·5	1020·6	..	256·7	270·2	27th	243·6	230·8	12th, 16th	250·2	..	..	39	+ 21
212	Fort Simpson	61 52	121 35	59·4	..	..	..	261·2	271·9	28th, 30th	246·6	234·7	13th	253·9	..	+0·2	..	..
213	Hay River	60 51	115 57	161	997·6	1018·3	+ 0·4	261·1	279·1	28th	247·9	230·2	26th	254·5	..	—1·0	18	+ 5
225																		
226	Jacobshavn	69 13	51 2	12·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
227	Godthaab	64 11	51 43	9·0	993·9	995·1	—10·7	265·5	275·2	5th	258·0	251·9	1st	261·7	*261·9*	—3·4	..	..
229	Ivigtut	61 12	48 10	5·0	994·7	995·4	— 9·2	268·9	275·8	18th	260·9	253·0	1st	264·9	*264·8*	—3·5	55	— 31
	Angmagsalik	65 37	37 33	31·7	990·3	994·4	—12·4	269·5	276·4	16th	262·1	249·0	4th	265·8	*265·5*	+0·7	23	— 39
231	Stykkisholm	65 5	22 46	20	988·3	990·8	—15·1	274·0	279·5	31st	267·7	258·4	6th	270·9	*270·2*	—0·5	113	+ 63
232	Vestmanno	63 26	20 15	7·7	988·4	989·4	—14·5	276·7	281·1	23rd	271·2	262·0	5th	273·9	*273·8*	—0·7	150	+ 37
233	Grimsey	66 33	17 58	22·0	..	..	..	272·1	276·9	16th	..	..	..	..	*269·7*	0·0	..	..
233*a*	Akureyri	65 40	18 4	35	..	992·2	—14·8	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	989·9	992·1	—13·8	274·8	278·4	23rd	268·8	256·4	6th	271·8	*272·0*	+0·3	54	— 27
235	Thorshavn	62 3	6 45	26·3	993·2	996·4	—10·3	278·4	282·0	31st	273·2	265·5	6th	275·8	*275·8*	—0·1	123	— 1
236	Lerwick	60 9	W 1 8	18·0	1000·5	1002·5	— 4·5	280·1	284·1	24th	275·1	269·7	7th	277·6	*278·1*	+0·9	128	+ 48
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	999·8	1005·2	— 5·4	279·8	285·0	13th	275·3	268·9	8th	277·5	*277·5*	+2·4	385	+264
238	Aalesund	62 28	0 10	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
239	Trondhjem	63 26	10 25	39·5	996·2	1001·0	— 8·1	279·4	284·3	13th	273·0	265·5	8th	276·2	*276·2*	+4·1	106	+ 51
240	Bodö	67 17	14 24	22·4	994·6	997·4	— 9·5	..	..	13th	271·4	264·0	5th	..	*274·6*	+3·2	85	+ 25
241	Haparanda	65 50	24 9	9·2	999·6	1000·8	— 8·6	273·2	279·5	18th	265·0	245·0	7th	269·1	*269·6*	+3·1	66	+ 40
242	Helsingfors	60 10	24 57	11·7	1007·9	1009·4	— 3·2	270·5	281·2	25th	271·1	259·4	8th	273·8	274·1	+3·0	42	+ 7
242*a*	Kuopio	62 54	27 40	90·3	993·9	1005·1	— 6·9	275·7	281·0	17th	267·8	248·9	9th	271·8	*272·4*	+3·3	56	+ 21
243	Kola	68 53	33 1	6·7	1000·2	1001·1	— 7·2	271·6	277·3	12th, 18th	263·8	246·4	10th	267·7	*268·0*	+2·9	18	+ 7
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1004·3	1005·1	— 7·2	273·2	278·3	14th, 31st	265·9	246·5	8th	269·6	*269·7*	+4·5	22	+ 2
246	Mezen	65 50	44 16	14·9	1003·0	1004·9	— 5·8	271·7	278·1	14th	263·0	245·2	9th	267·4	*268·1*	+4·3	12	+ 6
247	Oust-Tsylma	65 25	52 18	? 68	998·0	1006·8	— 8·4	270·0	278·9	31st	261·0	249·0	28th	265·5	*265·8*	+3·7	13	..
248	Tcherdyn	60 24	56 31	?177	988·4	1010·9	— 5·9	272·4	279·4	31st	265·0	254·0	11th	268·7	*268·5*	+3·6	35	+ 12
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1007·4	1012·6	— 6·4	..	275·4	28th	257·4	244·1	17th	..	*263·4*	+3·3	45	+ 33
252																		
253	Doudinka	69 23	86 4	? 20	1011·1	1013·8	— 3·5	..	266·1	10th	243·4	233·8	28th	..	*249·7*	+1·6	9	+ 4
254	Touroukhansk	65 47	87 57	? 45	1009·5	1015·5	— 0·8	..	277·5	29th	254·8	241·3	14th	..	*260·0*	+3·7	10	— 1
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	232·8	..	..	*251·8*	—0·8	5	— 2
262	Iakoutsk	62 1	129 43	?108	1005·9	1021·0	— 0·3	..	260·6	31st	240·3	230·9	2nd	..	*247·7*	—2·1	4	— 1
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1009·5	+ 2·2	272·9	275·8	19th, 24th	268·7	261·3	13th, 31st	270·8	..	+1·2	51	— 25
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1010·8	+ 4·0	278·3	285·2	5th	273·7	265·8	16th	276·0	..	+2·7	189	+ 60
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	273·1	275·2	4th	266·6	259·7	15th, 16th	269·8	..	+2·1	31	— 25
306	Kodiak (Radio)	57 46	152 22	6·1	..	1012·8	+ 5·4	279·1	284·1	7th	270·7	266·3	sev. dates	274·9	..	+1·2	‡12	— 72
309	Sitka	57 3	135 19	27·4	..	1015·9	+ 3·9	277·8	284·1	21st	270·3	260·8	19th	274·0	*273·7*	—1·6	191	+ 55
310	Prince Rupert	54 18	130 18	51·8	1011·8	1018·3	+ 5·9	278·0	283·0	28th	273·0	263·6	12th	275·5	*275·5*	—1·0	99	+ 2
311	Barkerville	53 2	121 35	1274	863·9	1014·2	+ 0·5	273·6	282·4	8th	263·0	247·4	11th	268·3	*268·0*	—1·3	76	+ 2
312	Kamloops	50 42	120 29	385	971·9	1019·1	+ 0·4	281·3	290·8	31st	271·3	260·8	11th	276·3	*276·5*	+0·2	13	— 5
313	Calgary	51 2	114 2	1045	890·6	1016·5	— 0·3	275·8	286·9	28th, 31st	260·2	238·0	12th	268·0	*267·3*	—1·2	49	+ 30
314	Fort Chipewyan	58 42	111 10	218	989·1	1018·6	+ 0·7	261·4	286·9	31st	247·1	234·1	7th	254·2	*255·0*	—3·7	18	+ 4
315	Prince Albert	53 10	105 38	442	962·1	1019·2	+ 2·4	268·6	280·2	31st	254·1	236·3	12th	261·3	*261·1*	—0·6	69	+ 41
316	Qu'Appelle	50 30	103 47	645	936·2	1016·8	— 0·1	271·9	283·0	18, 22, 31	259·7	246·3	8th	265·8	*265·4*	+1·7	32	+ 7
317	Minnedosa	50 15	99 50	515	952·2	1017·8	— 1·5	269·1	279·7	24th	257·4	243·6	9th	263·3	*262·9*	—0·3	19	+ 1
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	Port Nelson	57 4	92 36	14·9	1017·8	1019·8	+ 2·4	256·3	266·9	23rd	244·7	230·8	6th	250·5	..	—4·7	30	+ 15
319	Fort Hope	51 33	87 49	‡260	982·7	1018·3	..	267·8	280·8	25th	254·8	237·4	13th	261·3	*‡260·2*	+1·8	45	+ 25
320	Moose Factory	51 14	80 30	9·1	1016·4	1017·6	— 0·7	269·1	280·2	27th	254·7	241·3	15th	261·9	..	+0·6	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	263·7	277·4	27th	249·1	235·2	12th	256·4	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	270·0	284·7	28th	256·1	237·4	3rd	263·1	..	+2·2	65	+ 32
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	270·3	278·6	28th	257·8	246·3	15th	264·1	..	+0·2	87	+ 51
326	Belle Isle	51 53	55 23	133	..	..	..	267·4	275·2	28th, 29th Sea Temp.	259·8	249·1	14th	263·6	*263·6*	—1·8	29	— 60
333	53°—48° N. 20°—15° W.	††49 49	††17 36	§(70-78)	..	1017·4	..	..	..	283·7 —0·1	..	..	..	..	282·9	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1013·1	1014·8	+ 2·2	283·1	285·2	21st	278·7	271·3	7th	280·9	281·2	+1·1	163	+ 57
335	Aberdeen	57 10	W 2 6	26·8	1004·0	1007·3	— 2·2	281·7	289·1	31st	275·9	269·7	7th	278·8	278·9	+1·6	50	— 12
336	Greenwich	51 28	0 0	46·3	1012·4	1017·8	+ 4·6	285·9	292·4	24th	276·3	270·2	8th	281·1	280·8	+2·3	31	— 13
337	Uccle	50 48	E 4 22	100	1007·7	1020·0	+ 5·4	285·7	291·0	25th	276·1	270·5	3rd	280·9	280·3	+2·4	40	— 15
338	De Bilt	52 6	5 11	3·0	1018·3	1018·7	+ 5·2	284·7	291·1	26th	275·1	270·2	21st	279·9	279·7	+2·7	31	— 24
338a	Hamburg	53 33	9 58	40·3	1013·2	1018·2	+ 5·7	284·2	290·6	25th	276·2	270·6	8th	280·2	*279·8*	+3·6	15	— 40
339	Copenhagen	55 41	12 36	5·0	1014·7	1015·3	+ 3·0	281·2	287·4	24th	275·7	271·3	8th	278·5	*278·5*	+4·0	20	— 37
340	Potsdam	52 23	13 4	84·9	1009·5	1020·0	+ 6·7	286·1	294·5	26th	275·0	267·4	8th	280·5	280·0	+3·5	6	— 49
340a	Uppsala	59 51	17 38	24	1005·2	1008·2	— 3·3	280·5	286·1	25th	272·5	262·5	8th	276·5	276·4	+5·8	12	— 47
341	Warsaw	52 13	21 1	133	1005·4	1021·8	+ 7·7	284·4	293·0	27th	274·6	269·5	9th	279·5	279·3	+5·2	7	— 51
342	Dorpat (Jurjev)	58 23	26 43	74·5	1003·8	1013·1	0·0	279·3	287·9	30th	272·0	264·0	8th	275·6	275·3	+5·5	25	— 39
343	Petrograd	59 56	30 16	4·8	1009·9	1010·5	— 2·3	276·7	284·0	30th	270·6	258·6	9th	273·6	*273·6*	+5·3	43	+ 2
344	Kiev	50 27	30 30	183	1000·6	1023·2	+ 7·2	282·9	293·3	25th	273·4	267·3	10th	278·2	*277·8*	+5·8	2	— 37
344a	Moscow	55 50	37 33	167	995·5	1016·4	— 0·7	277·5	287·7	31st	270·2	261·8	9th	273·8	*273·7*	+5·6	20	— 19
345	Saratov	51 33	45 57	‡122	1004·7	1020·3	+ 0·8	273·7	284·9	31st	267·3	254·2	1st	270·5	*270·6*	+2·3	12	— 29
346	Kazan	55 47	49 8	79·9	1005·9	1016·1	— 2·3	273·6	279·3	28th	266·9	252·4	12th	270·2	*270·0*	+3·9	32	— 7
347	Orenburg	51 45	55 6	109	1005·6	1019·8	— 1·7	269·5	275·3	30th	262·0	249·0	2nd	265·8	*265·9*	+1·3	22	— 14
348	Perm	58 1	56 16	163	993·4	1014·2	— 4·2	271·8	278·7	29th	265·4	253·3	12th	268·6	*268·4*	+2·5	32	— 11
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	978·6	1014·2	— 6·8	271·9	278·4	30th	264·2	249·2	13th	268·0	*267·8*	+2·4	13	— 14
350	Tobolsk	58 12	68 14	108	1001·0	1015·0	— 5·8	270·7	278·8	26th	261·0	251·1	15th	265·8	*265·5*	+1·6	18	— 14
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1004·8	1019·0	— 5·6	..	275·2	27th	257·6	246·3	14th	..	*262·7*	+1·0	5	— 17
353	Barnaoul	53 20	83 48	162	1004·7	1025·9	— 2·3	270·0	282·3	27th	259·1	243·7	5th	264·6	*264·3*	+1·7	22	— 7
354	Tomsk	56 30	84 58	122	1006·2	1022·2	— 2·5	..	278·5	27th	259·5	250·1	15th	..	*264·4*	+1·7	13	— 16
355	Minousinsk	53 43	91 41	249	995·8	1027·8	— 0·2	..	282·9	28th	261·6	249·6	6th	..	*267·6*	..	3	— 20
356	Eniseisk	58 27	92 10	77·6	1011·6	1021·8	— 1·9	..	280·2	28th	257·8	241·4	15th	..	*264·0*	+1·0	8	— 17
357	Irkutsk	52 16	104 19	467	966·3	1026·1	— 1·0	271·7	280·2	28th	256·3	249·2	12th	264·0	*264·3*	+0·5	22	— 17
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	..	..	..	..	..	..	..	..
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	970·2	1019·7	..	267·5	275·5	30th	249·8	240·9	10th	258·6	*259·3*	..	0	— 20
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	997·9	1016·4	— 1·5	269·2	280·0	30th	257·4	250·6	10th	263·3	*263·2*	—0·3	0	— 20
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	998·2	1009·3	+ 2·6	..	272·0	..	265·4	257·8	7th	..	*267·3*	+1·8	70	— 8
369																		
371	Attu Island	52 56	173 13	4·9	..	1001·0	— 2·7	275·8	278·6	22nd	270·6	265·8	5th, 7th	273·2	..	..	152	— 1
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 10
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·1	1016·8	+ 1·0	283·0	286·3	30th	276·3	271·9	11th, 14th	279·7	279·1	+0·8	31	— 34
412	Portland, Oregon	45 32	122 41	46·6	1012·8	1018·3	+ 1·4	285·6	293·6	28th	278·1	274·1	14th	281·9	*281·8*	+0·9	109	— 14
413	Macleod	49 44	113 24	953	..	..	..	276·1	288·6	4th	263·8	240·2	12th	269·9	*269·9*	—0·2	39	+ 22
414	Helena	46 34	112 4	1253	870·5	1014·9	— 2·0	280·4	293·0	3rd	268·3	252·4	12th	274·3	*274·0*	+1·4	31	+ 12
414a	Salt Lake City	40 46	111 54	1329	866·0	1015·2	+ 0·1	285·7	294·7	3rd	276·0	270·8	9th	280·9	*280·8*	+2·6	26	— 27
415	Cheyenne	41 8	104 48	1856	809·6	1013·9	— 1·1	282·7	294·7	18th	269·4	258·6	27th	276·1	*277·0*	+3·4	10	— 14
416	North Platte	41 8	100 45	859	915·5	1015·9	— 0·7	287·3	301·9	18th	271·4	264·7	21st	279·3	*279·2*	+4·4	11	— 11
416a	Bismarck	46 47	100 38	511	954·9	1017·3	— 1·4	277·2	291·9	18th	264·2	251·9	11th	270·7	*270·9*	+3·3	25	— 1
417	Winnipeg	49 53	97 7	232	987·7	1017·8	— 0·0	269·7	279·7	29th	258·6	246·3	8th	264·1	*263·7*	+0·9	28	0
418	Duluth	46 47	92 6	345	973·7	1016·6	— 1·1	273·8	288·6	19th	263·9	250·8	28th	268·9	*269·1*	+0·8	45	+ 4
419	Port Arthur	48 27	89 12	196	992·0	1017·0	— 0·4	273·0	280·2	19th	263·0	250·8	9th	268·0	*267·9*	+2·4	52	+ 30
420	Chicago	41 53	87 37	251	986·8	1017·3	+ 0·1	285·9	298·6	19th	275·3	265·8	28th	280·6	*280·2*	+5·8	102	+ 40
421	Toronto	43 40	79 24	116	1004·4	1018·9	+ 1·9	280·8	293·0	26th	271·9	259·1	4th	276·3	276·1	+5·0	54	— 13
422	New York (Central Park)	40 47	73 58	47·4	1015·4	1021·2	+ 2·7	287·2	301·9	21st	276·9	269·7	29th	282·1	281·8	+5·5	73	— 24
423	St. John, N.B.	45 17	66 4	36·2	1014·6	1019·2	+ 5·2	278·6	286·3	27th	270·2	259·7	5th	274·4	273·8	+3·4	118	+ 3
424	S.W. Point, Anticosti	49 24	63 33	9·1	1015·1	1016·3	+ 4·9	270·8	277·4	26th, 27th	263·6	255·2	5th, 14th	267·2	*267·4*	—0·4	65	+ 18
424a	Sable Island (Main Station)	43 57	60 6	7·6	1018·9	1019·9	+ 5·7	275·8	280·2	10th, 12th	270·8	265·2	16th	273·3	*273·3*	+0·1	142	+ 21
425	Port aux Basques	47 35	59 10	9·1	1016·8	1018·0	+ 7·2	272·4	278·6	27th	265·8	259·1	15th	269·1	*268·9*	+0·5	124	+ 5
426	St. John's, Newfoundland	47 34	52 42	38·1	1010·0	1014·9	+ 5·3	274·7	284·1	29th	266·9	259·7	15th	270·8	*270·8*	—0·2	75	— 49
430	50°—45°N. 35°—30°W.	††47 3	††32 26	§(87–95)	..	1015·1	..	..	..	Sea Temp. 283·6 —1·7	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	943·2	1022·0	+ 4·9	286·9	292·4	26th	276·5	272·7	3 days	281·7	*281·2*	—0·2	12	— 20
436	Nantes	47 15	W 1 34	36·5	1017·1	1021·6	+ 6·2	286·6	294·1	25th	275·3	271·0	9th	281·0	280·7	+0·4	19	— 39
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1015·6	1021·8	+ 6·7	287·1	293·8	25th	274·3	269·6	3rd	280·7	280·5	+1·6	21	— 17
438	Marseille	43 18	5 23	75	..	1020·2	+ 7·4	289·3	293·3	31st	277·6	273·2	1st	283·5	*283·4*	+1·2	17	— 30
438a	Zürich	47 23	8 33	493	963·3	1022·6	+ 7·1	286·6	293·8	25th	273·8	268·1	9th	280·2	279·4	+2·5	26	— 47
439	Rome	41 54	12 27	45·5	1015·0	1020·3	+ 7·2	288·1	292·0	31st	279·4	274·2	1st	283·7	*283·4*	+0·2	136	+ 67
440	Vienna	48 15	16 22	203	997·9	1022·9	+ 8·3	284·9	292·0	26th	274·1	268·1	10th	279·5	279·5	+2·8	2	— 44
440a	Budapest	47 31	19 2	130	1007·0	1023·1	+ 8·0	288·7	298·4	25th	273·7	267·7	10th	281·2	*280·3*	+2·4	1	— 45
441	Sofia	42 42	23 20	550	958·1	1024·6	+ 9·6	285·1	293·8	25th	272·4	267·4	11th	278·7	*278·3*	+0·2	18	— 24
442	Bucharest	44 25	26 6	82	1014·5	1024·7	+ 9·5	286·8	298·2	26th	273·0	266·2	11th	279·9	279·6	+1·7	11	— 30
443	Odessa (University)	46 29	30 46	65·3	1016·9	1025·1	+ 9·2	282·6	295·0	25th	273·3	266·0	14th	278·0	*277·4*	+2·4	0	— 27
444	Kharkov (University)	50 0	36 14	140	1005·9	1023·5	+ 5·8	279·4	291·4	28th	271·0	262·1	13th	275·2	*274·9*	+3·3	5	— 30
444a	Novorossiisk	44 44	37 49	37·1	1019·5	1024·2	+ 7·9	281·3	294·0	28th	272·7	264·0	14th	277·0	*276·7*	—2·3	2	— 56
445	Tiflis	41 43	44 48	404	974·0	1023·2	+ 4·7	282·9	295·7	29th	273·8	267·9	18th	278·4	278·2	—1·5	53	+ 24
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1025·9	1023·0	+ 4·1	276·7	290·0	29th	271·5	264·8	13th	274·1	*274·6*	—0·4	..	..
448	Krasnovodsk	40 0	52 59	— 5·9	..	..	..	282·2	293·5	30th	276·6	269·9	1st, 15th	279·4	*279·5*	—2·3	..	..
449	Kasalinsk	45 46	62 7	67	1015·4	1024·0	+ 1·6	275·7	287·2	31st	267·9	257·1	4th	271·8	*271·8*	+1·7	20	+ 7
450	Tachkent	41 20	69 18	478	965·6	1023·9	+ 4·2	283·2	296·3	31st	273·0	261·5	1st	278·1	*277·4*	—3·3	70	+ 3
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	277·3	?286·7	27th	268·0	256·4	1st	272·6	*272·5*	..	66	..
461	Moukden	41 48	123 23	43·8	1014·9	1020·5	— 0·5	278·6	289·0	30th	265·5	258·3	15th	272·1	271·7	+0·2	3	— 16
462	Joshin	40 40	129 11	31·9	1012·7	1016·7	— 1·1	278·2	288·7	30th	270·6	265·5	15th	274·4	274·1	+0·5	15	— 9
463	Yuki	42 20	130 24	65·6	1007·6	1015·9	— 1·9	276·3	283·3	30th	267·8	263·3	3rd	272·1	271·8	+0·3	10	— 13
464	Vladivostok	43 7	131 55	128	999·5	1015·9	— 2·4	273·3	280·6	30th	266·0	261·1	3rd	269·6	269·3	—0·9	47	+ 31
465	Ochiai	47 20	142 46	6·6	1010·2	1011·1	— 2·0	270·7	278·8	31st	255·4	241·2	4th	263·1	264·2	—1·1	20	— 17
466	Nemuro	43 20	145 35	26·7	1006·8	1010·2	— 3·3	273·2	281·2	31st	265·9	259·4	4th	269·6	269·8	—0·8	65	+ 8
466a	Syana	45 14	147 53	39·3	1004·3	1009·4	— 3·2	270·8	275·9	31st	262·1	255·4	22nd	266·5	267·1	—1·7	26	— 42
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1012·4	1018·3	+ 0·8	288·8	295·8	28th	282·3	280·2	29th	285·6	*285·3*	+0·8	58	— 24
512	San Luis Obispo	35 18	120 39	61·3	1010·9	1018·3	+ 0·3	291·6	300·8	28th	281·1	275·8	21st	286·3	*285·9*	+1·0	58	— 33
513	San Diego	32 43	117 10	26·5	1013·5	1016·6	— 0·2	290·5	296·3	29th	283·8	280·8	20th	287·2	*287·0*	+0·6	29	— 10
514	Modena	37 48	113 54	1670	832·1	1013·9	— 0·4	286·6	294·1	17th	270·6	264·1	9th	278·6	*278·2*	+1·5	28	— 1
515	Santa Fé	35 41	105 57	2138	785·6	1013·5	+ 0·6	285·1	294·1	17th	272·7	264·1	9th	278·9	*278·9*	+1·8	19	0
516	Denver	39 45	105 0	1613	834·5	1013·2	— 1·3	287·4	298·0	18th	273·0	264·1	9th	280·2	*280·4*	+3·6	12	— 13
517	Abilene	32 23	99 40	530	954·1	1015·2	— 0·1	295·8	303·0	25th	282·7	271·9	29th	289·2	*288·5*	+2·8	25	— 4
518	Saint Louis	38 38	90 12	173	996·6	1017·3	0·0	291·1	300·2	20th	279·4	267·4	28th	285·2	*284·7*	+3·3	156	+ 72
519	Mobile	30 41	88 2	17·4	1018·0	1020·0	+ 2·0	296·4	301·9	17th	288·3	279·1	29th	292·3	*292·4*	+4·3	170	+ 3
520	Nashville	36 10	86 47	166	999·9	1020·0	+ 2·0	293·6	300·8	15th	282·5	271·3	29th	288·0	*288·2*	+5·7	151	+ 23
521	Charleston	32 47	79 56	14·6	1020·1	1021·7	+ 3·4	295·8	303·0	16th	287·0	280·2	30th	291·4	*290·8*	+3·8	68	— 18
522	Washington	38 54	77 3	34·1	1016·9	1021·0	+ 3·4	292·3	304·7	21st	279·8	269·7	29th	286·1	*285·6*	+6·9	70	— 27
523	Bermuda	32 17	64 46	46·0	1019·5	1025·0	+ 7·5	294·7	296·9	2nd	288·6	284·7	20th	291·6	*291·3*	+1·0	35	— 87
524	Santa Cruz (Flores)	39 27	31 9	28	1024·4	1027·5	+ 5·3	289·5	294·3	24th	284·6	281·1	10th	287·1	*287·1*	+0·1	54	—100
530	Horta	38 32	28 38	65	1019·5	1026·8	+ 4·9	289·5	293·1	24th	284·8	282·3	1st	287·2	286·8	—0·6	41	— 44
531	Ponta Delgada	37 44	25 40	22	1023·9	1025·8	+ 4·6	289·0	291·3	24th	284·8	282·4	10th	286·9	286·9	—0·2	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	56	— 36
532a	Madeira (Funchal)	32 37	16 54	25	‡1018·7	‡1021·7	+ 2·8	290·8	294·0	27th	285·6	284·0	10th	288·2	*288·3*	—0·1	269	+182
533	Lisbon	38 43	9 9	95	1008·7	1020·2	+ 3·8	290·0	294·6	26th	282·5	280·6	9th	286·3	*285·8*	+0·3	21	— 67
534	Melilla	35 18	2 59	8	1020·6	1021·6	+ 3·6	292·2	296·2	28th	283·6	280·2	10th	287·9	*289·7*	+0·5	34	— 28
535	Gibraltar	36 6	5 21	16·2	1017·7	1019·6	+ 2·5	289·5	294·1	21st	284·3	281·9	21, 30, 31	286·9	*286·9*	—0·3	201	+ 79
535a	Colomb-Béchar	31 6	4 6	786	..	..	..	293·4	298·9	26th	..	..	..	..	..	..	20	..
536																		
536a																		
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1018·1	1020·9	+ 5·6	288·4	292·2	30th	279·2	274·6	1st	283·8	..	−2·1	37	− 21
538	Algiers (Bouzaréah)	36 48	3 2	342	978·8	1018·7	+ 3·1	287·0	290·9	29th	281·4	278·2	22nd	284·2	283·8	−0·6	108	+ 24
539	Tunis	36 48	10 10	21	1017·8	1020·3	..	289·9	293·2	29th	281·2	275·4	2nd	285·6	*285·4*	0·0	85	+ 51
539*a*	Malta	35 54	14 31	56·4	..	1019·9	+ 6·0	288·7	291·4	8th	284·1	281·9	1st	286·4	*285·6*	−0·5	63	+ 29
540	Riposto	37 41	15 14	14·2	..	1021·4	+ 5·1	288·0	290·5	17th	282·9	280·4	1st	285·5	*285·0*	−0·9	147	+ 96
541	Athens	37 58	23 43	107	1008·1	1021·2	+ 7·3	287·0	294·4	25th	279·3	273·7	1st	283·2	282·9	−1·4	10	− 21
542	Alexandria	31 12	29 53	32·0	1014·3	1018·2	+ 2·8	292·7	305·3	11th	284·7	280·0	4th	288·7	*288·6*	−0·5	57	+ 41
544*b*	Nicosia (P.W.D.)	35 9	33 22	159	998·0	1017·0	+ 2·5	?289·6	?296·9	27th	278·7	274·1	2, 3, 14	?284·1	..	−1·5	23	− 18
544	Beirut	33 54	35 28	33·7	..	1016·7	+ 1·8	290·1	293·9	12th	284·1	279·7	1st	287·1	*286·9*	−1·4	53	+ 5
545	Baghdad	33 21	44 28	38·1	1010·7	1015·5	+ 0·8	294·9	303·6	30th	281·8	275·6	20th	288·4	*285·1*	−0·8	3	− 45
546	Lenkoran	38 46	48 51	−20·0	1025·5	1023·1	+ 4·2	..	290·5	29th	275·2	269·0	16th	..	*278·5*	−1·9	132	+ 57
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 15
548	Meshed	36 16	59 35	946	..	..	..	283·9	296·3	31st	272·6	265·2	21st	278·3	..	−2·6	72	+ 15
549	Seistan	31 0	61 30	?	..	..	..	296·7	307·9	16th	280·2	272·4	1st	288·4	..	..	0	− 26
550	Quetta	30 11	67 3	1677	834·5	..	+ 0·7	295·5	301·7	6th	276·4	269·3	23rd	285·9	*286·1*	+2·1	0	− 26
551	Peshawar	34 2	71 37	339	972·8	1012·3	− 3·0	303·2	306·7	31st	285·8	278·9	3rd	294·5	*294·1*	+4·1	13	− 13
551*a*	Lahore	31 34	74 20	214	984·6	1009·3	− 3·1	305·7	310·4	18th	288·6	282·8	25th	297·1	*296·9*	+3·4	0	− 13
552	Simla	31 7	77 8	2205	781·4	..	+ 0·8	289·4	293·7	21st	282·7	276·3	2nd	286·1	*286·3*	+3·3	6	− 4
552*a*	Leh	34 10	77 42	3503	666·4	..	+ 1·6	283·1	287·5	7th	269·3	262·8	2nd	276·2	*275·5*	+2·8	3	− 7
559	Hankow	30 35	114 17	37·0	1017·1	1021·6	0·0	287·4	302·7	18th	278·2	271·6	2nd	282·8	*282·7*	−0·6	81	+ 31
560	Tientsin	39 10	117 10	5·0	1021·1	1021·6	− 0·3	283·9	294·5	30th	272·2	266·1	14th	278·1	*278·0*	+0·3	9	− 8
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1021·0	− 0·2	286·7	301·0	19th	277·1	269·8	15th	281·9	281·1	+0·3	80	+ 1
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1011·3	1019·9	− 0·6	280·0	286·9	19th	272·3	267·5	15th	276·2	275·6	−0·2	32	− 15
562*a*	Nagasaki	32 44	129 52	133	1001·7	1018·0	− 0·9	286·1	293·4	31st	277·7	272·4	15th	281·9	281·5	−0·7	127	+ 5
563	Kyoto	35 1	135 44	42·9	1011·4	1016·7	− 1·0	285·0	293·1	31st	273·3	268·0	8th	279·1	278·3	−0·8	171	+ 57
564	Tokyo	35 41	139 45	21·3	1010·8	1013·5	− 2·9	284·5	294·3	20th	274·3	271·1	6th	279·4	279·2	−0·7	99	+ 31
565	Kanayama	37 53	140 46	24·6	1010·4	1013·5	− 2·7	280·5	289·8	31st	271·4	266·0	11th	275·9	275·6	−1·1	111	+ 59
566	Miyako	39 38	141 59	30·4	1008·5	1012·3	− 3·5	281·5	289·3	31st	270·2	265·8	5th	275·9	274·9	−0·5	120	+ 58
		N.	E.															

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·3	− 0·4	294·4	298·0	19th	288·8	285·2	13th	291·6	*291·2*	..	72	..
605	Honolulu	21 19	157 52	11·6	1015·6	1016·9	− 0·4	298·1	301·9	..	292·6	289·7	..	295·3	*295·1*	+0·5	10	− 8
614	La Paz	24 10	110 20	12	1012·2	1013·6	..	301·8	308·6	25th	285·8	280·6	21st	293·8	..	..	0	..
615	Chihuahua	28 38	106 4	1423	858·9	1013·5	..	296·9	301·0	25th	280·6	276·2	10th	288·7	*288·5*	..	0	..
616	Leon	21 7	101 41	1809	821·0	1009·6	+ 0·4	299·7	302·8	17th	283·1	279·6	10th	291·4	*291·8*	+0·9	4	..
616*a*	Monterry	25 40	100 18	528	953·5	1013·1	..	301·6	308·0	27th	289·4	284·4	29th	295·5	*294·1*	..	15	..
617	Tulancingo	20 5	98 22	2180	792·5	..	..	294·0	297·0	..	280·7	277·0	..	287·4	287·1	−1·0	23	..
618	Galveston	29 18	94 50	16·5	1016·1	1017·9	+ 1·0	295·4	298·0	27th	290·6	279·7	29th	293·0	*292·8*	+3·0	91	+ 11
618*a*	New Orleans	29 57	90 4	16·2	..	1019·6	+ 2·2	299·1	302·4	17th	289·8	281·3	29th	294·4	*293·6*	+3·9	142	+ 61
619	Merida, Yuc.	20 58	89 38	22	1013·5	1016·0	..	305·0	306·6	23rd	293·3	289·4	1st	299·2	*298·4*	..	19	..
620	Havana	23 8	82 21	24·3	..	1019·1	+ 2·0	301·4	303·9	30th	293·2	289·3	1st	297·3	*296·9*	+0·9	59	+ 15
620*a*	Key West	24 33	81 48	6·7	1018·6	1019·3	+ 1·6	300·4	301·9	12th	294·8	292·4	1st	297·6	*297·1*	+1·5	14	− 2
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	298·2	..	..	292·6	..	..	295·4	*295·2*	−0·4	2	− 13
622	Watling Island	24 6	74 26	33·5	1016·8	1020·7	+ 3·9	..	301·3	17th	..	291·3	4th	..	*297·8*	..	..	..
633	Izaña	28 19	16 30	2367	764·5	..	..	280·7	286·4	26th	271·0	263·9	28th	275·9	*275·4*	−1·1	32	..
634	La Laguna	28 28	W16 20	547	953·9	1018·0	+ 1·6	289·4	294·1	17th	282·2	281·9	3rd	285·8	*285·2*	−0·8	72	..
641	Siwa	29 12	E25 29	−23	1020·3	1017·5	..	296·7	305·6	30th	282·1	276·5	18th	289·4	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	1003·2	1016·9	+ 1·7	293·8	304·9	11th	282·8	277·6	2nd	288·3	*288·2*	−1·9	9	+ 1
643*a*	Aswan	24 2	32 53	99·6	1003·1	1014·7	+ 0·9	300·7	312·1	30th	285·3	279·0	5th	293·0	*292·6*	−1·3	..	..
644	Tor	28 14	33 37	1·9	1015·1	1015·4	+ 1·7	294·4	304·1	11th	283·4	278·6	5th	288·9	*289·2*	−1·9	0	..
647	Bushire	28 59	50 53	4·3	1012·7	1013·3	− 1·4	297·1	306·0	19th	288·8	284·1	22nd	292·9	*292·3*	+1·2	0	− 2
648	Jask	25 44	57 47	4·0	1012·2	1012·7	− 1·2	302·0	306·7	19th	289·1	283·8	14th	295·6	*295·0*	−0·1	0	− 2
649	Karachi	24 53	66 57	4·0	1011·0	1011·5	− 1·7	301·2	307·6	29th	293·5	290·4	1st	297·3	*296·7*	+1·0	0	− 2
650	Jacobabad	28 17	68 29	56·7	1003·2	1009·8	− 2·5	308·2	313·3	21st	290·1	284·0	24th	299·1	*298·6*	+2·1	0	− 2
651	Jaipur	26 56	75 52	436	961·9	1010·9	− 1·7	308·7	312·6	21st	289·9	282·5	1st	299·3	*299·2*	+2·3	0	− 2
652	Nagpur	21 8	79 5	310	975·8	1010·4	− 1·2	312·3	314·2	29th, 30th	293·1	285·7	2nd	302·7	*302·3*	+1·5	0	− 2
653	Allahabad	25 25	81 51	94·1	999·5	1009·8	− 1·5	308·5	313·6	23rd	291·8	288·1	4th	300·2	*299·8*	+2·1	0	− 2
653*a*	Darjeeling	27 3	88 18	2266	775·1	..	− 0·2	288·6	293·2	31st	280·3	275·5	3rd	284·4	*284·6*	+1·9	96	+ 14
654	Calcutta	22 36	88 23	6·4	1008·9	1009·7	− 2·0	306·7	312·1	24th	295·6	289·9	2nd	301·1	*300·7*	+1·4	19	− 2
655	Gauhati	26 8	91 41	59·7	1004·5	1011·4	− 1·4	302·4	306·0	29th	290·5	285·8	2nd	296·5	*295·6*	+1·2	87	+ 7
655*m*	Cherrapunji	25 15	91 42	1314	868·5	..	− 0·7	293·0	295·6	19th	286·9	282·4	10th	289·9	*289·3*	+1·1	178	+ 98
655*a*	Akyab	20 11	92 56	6·1	1010·1	1010·8	− 1·5	303·9	307·8	23rd	293·1	290·3	1st, 22nd	298·5	*298·6*	−0·4	0	− 2
656	Mandalay	21 59	96 0	76·2	1002·2	1010·8	− 0·7	310·6	315·2	25th	294·6	290·8	12th	302·6	*302·3*	+1·3	3	− 1
656*a*	Tengyueh	25 2	98 33	1625	837·1	1012·2	+ 1·7	293·8	298·6	31st	279·4	276·3	11th, 16th	286·6	*286·2*	+0·5	55	+ 9
657	Phu Lien	20 48	106 38	116	1001·1	1014·7	+ 0·9	295·8	302·5	24th	289·5	283·9	4th	292·7	292·0	+0·1	9	− 3
658	Moncay	21 31	107 51	9	1014·0	1015·1	+ 0·8	295·4	302·6	24th	288·7	283·9	12th	292·1	*292·3*	+0·3	7	− 4
659	Hongkong	22 18	114 10	33·2	..	1015·9	− 0·2	293·5	300·9	1st	288·3	280·4	4th	290·9	290·7	+0·5	114	+ 59
660	Amoy	24 27	118 4	ca. 3	1017·9	1018·3	− 1·1	291·7	297·4	20th	286·3	281·3	4th	289·0	*288·8*	+0·7	161	+ 68
661	Taihoku, Formosa	25 2	121 31	9·3	1016·3	1017·5	− 0·1	293·9	303·0	20th	286·9	281·6	3rd	290·4	290·0	+0·2	277	+ 184
661*a*	Basco	20 28	121 59	18·7	1010·3	1012·7	− 0·5	..	..	..	294·4	?291·7	4th, 5th	..	*297·5*	+0·5	115	+ 24
662	Naha	26 13	127 41	10·5	1015·8	1017·0	− 0·2	293·9	300·2	20th	287·7	282·1	16th	290·8	290·6	−0·3	221	+ 130
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·5	1015·9	− 0·9	294·1	296·7	28th	288·4	281·0	7th	291·3	291·3	−0·2	81	− 7
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ For Cairo *see* No. 643.

MARCH—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·3	1013·3	..	302·5	305·0	18th	292·7	289·5	10th, 14th	297·6	*296·8*	..	0	..
716	Morelia	19 42	101 7	1923	809·5	1008·6	..	296·1	298·0	13th	286·6	283·7	5th	291·4	*291·1*	..	6	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·7	..	+ 0·2	298·6	301·2	20th	280·0	276·5	5th	289·3	288·6	+0·4	5	− 6
718	Salina Cruz	16 12	95 12	56	1006·3	1012·7	..	302·9	307·3	28th	296·4	293·3	10th	299·6	*299·1*	..	0	..
719	San Salvador	13 42	89 13	682	936·7	1012·1	+ 1·3	307·5	309·8	9th	289·5	286·0	6th	298·5	*296·6*	−0·1	53	+ 36
720	Belize	17 29	88 12	5·2	1015·3	1015·9	+ 2·0	..	..	..	294·9	289·7	5th, 6th	..	‡*298·3*	..	46	+ 3
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·2	+ 0·9	302·3	303·9	1st	292·7	291·1	28th	297·5	*297·4*	−0·1	159	+ 93
722	Port au Prince	18 33	72 20	37·4	1011·9	1010·2	+ 0·8	304·2	306·0	27th	293·4	290·4	23rd	298·8	*297·9*	−0·3	175	+ 80
723	Caracas	10 30	66 55	1042	898·4	1013·4	− 0·6	297·5	301·1	31st	280·5	282·6	23rd	292·0	*290·7*	−1·2	33	+ 18
724	Montserrat	16 41	62 9	39·6	1010·9	1015·5	− 0·9	301·4	304·1	1st	294·0	291·9	23rd	297·7	*297·2*	−0·6	178	+ 75
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡995·0	‡1012·9	− 0·3	301·2	304·7	24th, 25th	294·9	293·0	11th	298·1	*297·6*	−0·3	103	+ 33
725	Barbados	13 8	59 36	55·2	..	1014·0	− 0·9	301·4	302·9	31st	294·5	293·4	2nd	297·9	*297·2*	0·0	48	− 1
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·5	1015·8	+ 1·2	296·8	298·8	25th	..	..	..	..	*294·9*	+0·5	0	− 1
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·7	1014·3	− 0·3	297·3	299·8	27th	292·4	291·0	13, 14, 15	294·8	*295·0*	−0·6	0	− 2
733	Bathurst	13 27	16 36	1·8	1013·7	1014·0	+ 1·2	303·5	309·7	20th	290·5	288·6	8th	297·0	*296·6*	−0·3	0	0
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	311·7	315·2	27th	294·1	290·2	5th	302·9	..	+0·2	0	0
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	*303·5*	..	5	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·4	315·8	28th, 29th	294·4	290·2	3rd	302·9	*302·7*	−0·3	26	+ 23
738	Kaduna Capital	10 32	7 25	637	944·1	1014·6	+ 2·1	306·6	310·2	25th	292·4	288·0	3rd	299·5	*299·2*	−1·1	1	− 4
739	Hadeija	12 40	10 5	?	..	..	..	312·5	318·0	28th, 29th	289·8	283·0	4th	301·1	*300·8*	−0·5	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	312·3	318·0	28th, 29th	291·7	286·3	4th	302·0	*301·7*	−0·6	0	0
741	El Fasher	13 32	25 18	730	..	..	..	?306·7	?313·0	31st	285·8	280·0	9th	?296·2	*?295·4*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	306·9	314·5	16th	284·8	279·3	8th	295·8	*295·9*	−1·5	0	− 2
743*a*	Khartoum	15 37	32 33	390	965·5	1009·3	+ 0·1	306·6	315·0	16th	290·0	284·5	8th	298·3	*299·7*	−0·5	0	0
744	Port Sudan	19 37	37 13	5·5	1013·3	1013·9	+ 1·9	299·1	303·1	31st	291·5	287·6	9th	295·3	*295·4*	−1·3	0	− 2
745	Berbera, Somaliland	10 22	45 2	9·5	1011·5	1012·6	− 0·9	302·3	304·1	29th	294·5	289·7	9th	298·4	*298·9*	−1·0	0	− 23
746	Aden	12 45	45 3	28·7	1009·3	1012·6	− 0·7	301·4	303·3	20th	295·7	292·5	9th	298·6	*297·9*	−0·6	0	− 14
751	Bombay	18 54	72 49	11·3	1010·0	1011·3	− 1·4	304·0	305·8	5th	296·4	293·7	3rd	300·2	299·6	+0·8	0	− 1
752*g*	Kodaikanal	10 14	77 28	2343	771·4	..	− 0·8	294·9	296·7	25th	283·3	280·6	5th	289·1	*288·9*	+0·8	0	− 60
752*a*	Bangalore	12 59	77 38	920	910·9	1010·7	− 0·9	307·3	309·2	29th	291·1	288·6	4th	299·2	*298·7*	+0·9	0	− 14
753	Madras	13 4	80 14	6·7	1010·6	1011·4	− 1·1	305·3	307·7	19th	295·4	293·1	1st, 5th	300·4	*299·4*	+0·1	0	− 4
754	Vizagapatam	17 42	83 19	11·6	1009·6	1011·0	− 1·3	304·2	305·8	16th	297·4	295·3	2nd	300·8	*299·9*	..	0	− 9
755	Port Blair	11 40	92 40	18·0	1008·2	1010·2	− 1·9	304·8	306·9	19th	297·9	295·3	1st, 2nd	301·4	*300·5*	−0·2	0	− 18
756	Rangoon	16 46	95 48	5·5	1011·1	1011·8	− 0·3	308·2	310·7	31st	295·6	291·6	2nd	301·9	*300·4*	+0·2	1	− 8
757	Saigon	10 47	106 42	11	1008·2	1009·4	− 1·1	306·0	308·5	31st	296·6	295·0	6th	301·3	*300·7*	−0·5	45	+ 38
758	Nhatrang	12 15	109 12	3·6	1011·4	1011·8	− 0·2	301·9	304·5	3rd	295·2	293·4	15th	298·5	*298·0*	−0·7	130	+ 110
759	Bolinao	16 23	119 53	7·1	1007·8	1008·7	− 2·2	306·2	309·2	24th	296·4	294·2	15th	301·3	*299·9*	−0·3	12	− 3
761	Vigan	17 34	120 23	14·2	..	1010·0	− 1·4	304·8	307·1	26th	297·0	294·6	13th	300·9	300·8	+1·0	0	− 6
761*a*	Manila	14 35	120 59	14·2	..	1010·7	− 0·6	306·1	308·3	2nd, 24th	295·2	293·4	12th	300·7	299·8	+0·2	9	− 12
762	Ormoc	11 0	124 36	5·6	1008·2	1008·9	− 1·1	305·5	307·2	23rd	295·3	294·0	24th	300·4	*299·7*	+1·0	399	+ 307
765	Guam, Ladrone Is.	13 24	144 38	20·4	1006·8	1009·3	− 0·7	302·3	304·8	5th	297·5	295·5	3rd	299·9	*299·7*	+0·1	60	− 20
		N.	E.															

Between Latitude 10° N. and 0°.

MARCH—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1011·6	− 0·5	303·2	304·1	10th	298·2	295·2	5th	300·7	*300·3*	+1·2	25	− 16
822	Bogota	4 36	74 0	2645	..	..	..	..	..	..	..	..	..	..	..	..	238	+138
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·8	..	0·0	295·1	298·5	7th, 9th	287·6	285·5	24th	291·3	*290·2*	−0·9	197	+104
824	El Peru, Guayanavieja	7 19	61 49	220	986·1	1011·1	− 0·2	303·1	304·3	10th	293·0	291·4	22nd	298·1	*297·4*	0·0	117	+ 68
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·4	+ 0·6	302·4	303·6	25th	296·9	295·2	1st	299·7	*299·3*	+0·1	88	− 94
826	Paramaribo	5 49	55 9	3·7	‡1013·2	‡1013·6	+ 0·7	302·8	304·7	26th	295·1	292·2	1st	298·9	*298·6*	+0·3	118	− 90
826*a*	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Konakri	9 4	13 42	16	..	..	..	304·0	304·9	3, 6, 23	297·6	296·1	19th	300·8	*300·4*	−0·7	0	− 5
834	Freetown, Sierra Leone	8 29	13 9	68·3	1002·0	1009·8	− 0·9	306·1	307·4	17, 22, 27	..	..	..	..	‡*301·3*	+0·3	3	− 26
835	Assuantsi	5 18	1 15	101	..	..	..	307·0	309·1	15th	295·2	294·1	1st	301·1	*300·3*	..	46	..
836	Accra	5 33	W 0 12	25·1	..	..	..	304·2	..	..	297·1	..	..	300·6	*300·1*	+0·2	26	− 20
837	Lagos	6 27	E 3 24	6·7	1008·7	1009·4	− 1·5	304·9	309·1	..	298·3	288·6	..	301·6	*301·1*	0·0	87	− 8
838	Zungeru	9 48	6 10	130	..	..	..	312·4	316·3	28th	296·6	293·0	9th	304·5	*304·2*	+1·2	0	− 14
839	Yola	9 12	12 30	259	..	..	..	311·2	315·2	25th	..	..	..	..	‡*302·7*	−1·2	3	− 6
841	Wau	7 42	28 3	440	..	..	..	?310·9	?314·5	20th	?293·8	?290·0	5th	?302·4	..	+0·1	14	− 8
843	Malakal (Kodok)	9 35	31 37	394	962·6	1005·8	− 1·0	311·9	315·8	31st	294·9	292·7	15th	303·4	*302·4*	+0·2	0	− 6
843*a*	Mongalla	5 11	31 47	439	958·6	1006·6	+ 1·0	?311·7	?316·0	31st	295·3	293·0	sev. dates	?303·5	?*303·1*	+2·0	5	− 34
844	Entebbe	0 5	32 29	1171	882·1	1007·8	− 1·0	299·3	300·8	24th, 31st	290·8	288·8	8th	295·1	*294·6*	−0·1	119	− 29
851	Minicoy	8 17	72 49	2·1	1012·6	1012·8	+ 0·7	..	..	..	..	..	..	..	..	..	17	− 8
851*a*	Cochin	9 58	76 21	2·7	1010·8	1011·2	− 0·9	306·5	307·5	29th, 31st	298·7	294·7	31st	302·6	*301·7*	+0·5	11	− 40
852	Colombo Observatory	6 54	79 53	7·3	..	1009·6	− 0·7	304·3	305·8	1st	296·0	291·3	2nd	300·2	*299·3*	−0·2	124	+ 9
853	Nuwara Elija	6 59	80 46	1886	813·3	1013·3	..	295·4	298·9	18th	278·9	271·3	2nd	287·2	*286·1*	−0·9	61	− 19
854	Trincomalee	8 34	81 14	30·2	..	1009·7	− 0·3	306·1	307·3	24th	297·3	292·8	2nd

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	302·5	306·8	1st	295·6	294·0	12th	299·0	*298·4*	−1·2	362	+100
926	Taperinha	2 30	54 20	20·0	1008·8	1011·0	− 0·2	300·7	303·4	20th	295·5	294·4	25th	298·1	*297·5*	−0·3	270	..
927	Turyassu	1 43	45 26	15·1	1008·5	1010·2	− 0·6	302·3	305·1	9th	294·9	293·8	30th	298·6	*298·0*	−0·4	413	− 29
928	Barra do Corda	5 30	45 16	81·0	999·8	1009·1	− 0·9	304·1	307·8	4th	294·3	293·2	12th, 30th	299·2	*297·9*	−0·1	174	− 12
929	Quixeramobim	5 16	39 15	207	988·1	1011·4	+ 0·4	302·9	304·5	11th	296·5	295·4	27th, 28th	299·7	*299·2*	−0·8	189	+ 30
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1010·6	+ 0·4	302·5	305·2	21st	297·5	295·3	8th	300·0	299·7	+0·6	99	+ 34
940	Brazzaville	4 17	15 16	320	‡973·1	‡1008·7	..	305·8	310·0	27th	296·7	294·0	14th, 31st	301·3	*300·7*	+1·5	17	−139
943	Masaka	0 21	31 47	?1280	..	..	..	300·2	303·0	4th	289·8	288·6	24th, 29th	295·0	*293·7*	+0·6	101	+ 7
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	300·8	303·0	14th	286·9	281·3	13th, 14th	293·8	..	..	22	..
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	299·1	302·4	14th	..	..	..	..	..	..	22	− 74
944*a*	Zanzibar	6 10	39 11	21·9	1010·3	1012·8	+ 0·1	303·2	304·6	16th	299·2	297·1	5th, 7th	301·2	*300·6*	−0·2	121	− 44
945	Lamu	2 16	40 50	3·1	..	..	..	303·6	304·7	sev. dates	299·1	297·4	sev. dates	301·3	*300·9*	+0·4	1	− 22
947	Seychelles, Port Office	4 37	55 27	4·6	1010·0	1010·5	− 0·1	302·3	303·6	18th, 30th	298·5	297·1	16th	300·4	*299·8*	+0·8	178	− 63
957	Padang	0 56	100 22	6·7	..	1009·3	− 1·9	..	..	..	..	..	..	..	..	..	242	− 53
958	Batavia	6 11	106 50	8·0	1008·0	1008·9	− 0·9	302·9	305·2	3rd	296·4	295·3	25th	299·6	299·0	0·0	178	− 20
958*a*	Pontianak	0 1	109 20	2·6	..	1009·7	− 0·8	..	..	..	..	..	..	..	..	..	248	..
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	430	+ 45
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	..	− 21
962	Amboina	3 42	128 10	4·2	..	1008·3	− 0·2	..	..	..	..	..	..	..	..	..	86	− 47
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	111	−222
965	Daru	9 4	143 13	7·6	..	1008·6	− 1·0	300·6	..	..	294·4	..	..	297·5	*297·1*	−2·7	384	+ 57
966	Port Moresby	9 29	147 9	39·0	..	1008·3	− 0·9	304·6	..	..	297·9	..	..	301·2	*300·7*	+0·7	131	− 42
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·1	1009·4	+ 1·4	304·2	?306·2	22nd	296·8	?295·3	7th	300·5	*300·2*	−0·2	327	−167
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·2	304·8	28th	298·1	296·3	8th	300·7	*300·1*	−0·1	17	−205
		S.	E.															

MARCH—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·8	+ 1·6	303·4	305·1	9th	297·1	295·6	2nd	300·3	299·7	+0·5	186	−158
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	306·2	309·7	11th	296·1	295·2	1, 10, 18	301·2	*300·9*	+1·3	145	−145
1021	Arequipa	16 22	71 33	2451	..	..	..	291·8	293·7	27th	282·8	280·7	23rd	287·3	*286·3*	−0·2	42	+ 31
1022	Puerto de Arica	18 28	70 20	5	..	..	..	297·1	298·4	1st	291·0	289·2	30th, 31st	294·1	..	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·6	..	..	287·9	294·5	28th	280·7	278·0	21st	284·3	*284·0*	..	167	+ 72
1025	Corumba	18 59	57 39	116	996·6	1009·8	+ 0·1	303·9	306·0	1, 10, 26	295·6	293·2	4th	299·8	*299·3*	−0·3	180	+ 43
1026	Cuyaba	15 36	56 6	165	990·5	1009·0	− 0·1	305·1	308·0	25th	295·3	294·5	6, 20, 26	300·2	*299·8*	−0·2	204	− 15
1027	Bello Horizonte	19 55	43 57	895	913·0	1011·3	− 1·2	300·7	305·0	6th	290·3	287·5	6th	295·5	*294·6*	−0·1	151	− 35
1028	Caetite	14 3	42 37	897	914·4	1012·1	− 0·1	301·9	303·8	10th	292·0	290·5	7th	297·0	*297·6*	+1·4	7	− 05
1029	Ondina (Bahia)	13 0	38 31	46·6	1005·7	1011·1	− 1·2	302·9	304·0	11th	297·1	295·2	24th	300·0	*299·6*	+0·7	60	−104
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	947·0	1012·6	+ 2·6	298·5	300·2	8th	290·2	288·0	5th	294·3	*294·1*	+2·0	142	+ 17
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	299·4	302·4	25th, 31st	?293·8	?292·0	1st	?296·6	?*297·1*	..	13	..
1042	Gwelo	19 28	29 48	1417	860·8	1011·3	− 0·8	?299·3	..	..	288·8	284·7	16th	?294·1	..	+1·1	201	+130
1043	Salisbury Gaol, Rhodesia	17 48	31 5	1457	855·1	1009·8	− 1·6	299·5	301·9	26th, 27th	288·9	285·7	15th	294·2	*293·1*	+1·1	199	+ 55
1044	Zomba	15 23	35 18	955	906·0	1010·1	− 0·4	299·9	302·4	3rd	291·2	288·0	16th	295·6	*295·0*	+0·8	279	+ 48
1045	Antananarivo	18 55	47 32	1400	864·7	1015·4	+ 2·0	297·8	300·4	14th	287·7	284·8	22nd	292·8	*291·9*	−0·8	111	− 77
1055	Cocos Keeling Is.	12 5	96 53	4·6	1008·4	1008·9	− 1·7	301·7	303·6	1, 9, 13	298·1	295·8	28th	299·9	*299·6*	−0·7	409	+177
1057	Christmas Island	10 25	105 43	5·5	1006·0	1006·6	− 1·0	303·8	305·8	..	297·3	295·8	..	300·6	*299·7*	−0·1	419	+147
1061	Kupang	10 10	123 34	45·1	..	1008·4	− 0·4	..	..	..	..	..	..	..	..	..	333	+111
1061*a*	Derby	17 18	123 40	16·2	1006·5	1008·4	− 0·2	306·1	310·1	31st	297·7	293·6	7th	301·9	..	−1·2	174	+ 05
1062	Hall's Creek	18 13	127 46	374	966·8	1008·8	− 0·1	304·8	306·9	24th, 31st	294·7	290·1	8th	299·8	*299·4*	−1·5	200	+135
1063	Darwin	12 28	130 51	29·6	1003·7	1007·1	− 0·4	304·4	306·8	20th	297·5	296·1	10th	301·0	*299·9*	−0·9	371	+115
1064	Daly Waters	16 16	133 23	211	982·4	1006·3	− 1·1	304·7	308·0	13th	295·4	293·0	10th	300·1	*299·7*	−1·7	320	+202
1065	Mein	13 13	142 47	122	992·5	1006·5	− 0·5	303·4	306·1	3rd	295·7	293·7	4th	299·6	*299·1*	−0·4	233	+ 1
1066	Georgetown, Queensland	18 22	143 32	302	975·7	1009·8	+ 1·1	304·0	308·6	1st	295·3	293·0	4th	299·7	..	−0·2	230	+100
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1006·3	− 1·6	305·1	..	..	..	..	..	..	‡*302·1*	+1·2	58	−244
1072	Suva, Fiji	18 8	178 26	**	..	1010·1	+ 0·1	303·8	305·6	19th	295·7	294·1	30th	299·7	*299·4*	0·0	435	+ 63
		S.	E.															

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.
** Height changed from 17·7 m. to 6·1 m. from March 15th.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

MARCH—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	302·8	304·1	22nd	296·8	294·7	17th	299·8	*299·5*	+1·1	145	−124
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·2	1015·4	+ 0·7	292·2	293·8	19th	286·8	284·9	29th, 31st	289·5	*289·3*	0·0	0	− 1
1122	Iquique	20 12	70 11	9	1012·8	1013·9	+ 0·3	295·3	298·0	1st	288·1	286·8	30th	291·7	*291·9*	−1·1	0	0
1123	Catamarca	28 27	65 47	510	953·8	1011·3	+ 2·1	301·6	310·3	16th	288·8	283·9	27th	295·2	294·2	−2·5	78	+ 25
1124	Salta	24 46	65 28	1178	882·6	1011·6	+ 0·2	296·0	301·4	1st	288·3	284·5	5th	292·1	292·0	−0·8	177	+ 74
1125	Goya	29 9	59 15	26	1008·6	1011·6	− 0·2	302·0	307·5	18th	291·2	283·7	21st	296·6	296·0	−0·7	225	+ 86
1126	Asuncion	25 21	57 37	93	1001·1	1011·8	+ 1·2	306·5	310·3	18th	293·0	286·0	21st	299·8	297·7	−1·0	241	+138
1127	Curityba	25 25	49 17	908	913·4	1013·5	0·0	298·1	303·5	29th	289·1	285·8	22nd	293·6	*292·4*	+0·3	131	+ 14
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·6	1013·7	+ 0·8	301·0	306·6	4th	295·5	293·0	22nd	298·2	298·0	+0·2	54	− 85
1139	Windhoek	22 35	E 17 5	1680	..	..	..	298·5	301·0	5th, 6th	289·5	284·9	14th	294·0	*294·0*	0·0	100	+ 24
1140																		
1141	Kimberley	28 42	24 47	1202	882·6	1012·5	+ 0·5	300·8	307·2	1st	288·7	283·1	13th	294·8	293·8	0·0	97	+ 24
1141*a*	Johannesburg	26 11	28 4	1806	823·4	1014·3	+ 0·2	294·8	301·9	3rd	285·4	280·2	13th	290·1	*289·6*	−0·3	195	+ 82
1142	Pretoria (Brooklyn)	25 46	28 13	1400	863·0	1013·3	+ 0·1	297·8	304·4	5th	287·4	283·4	13th	292·6	*292·1*	0·0	277	+172
1142*a*	Bulawayo	20 9	28 35	1340	867·9	1011·7	− 0·1	298·2	301·4	2nd	288·9	284·7	16th	293·5	*292·9*	0·0	130	+ 50
1143	Durban	29 52	31 3	15·2	1014·5	1016·3	− 0·9	300·6	307·4	7th	293·7	289·8	19th	297·1	*296·5*	+0·5	99	− 37
1144	Lourenço Marques	25 58	32 36	59	..	1014·5	− 0·5	303·5	311·0	7th	294·0	291·2	15th	298·8	298·1	+0·6	215	+109
1147	Mauritius	20 6	57 33	55·2	1006·2	1012·5	+ 0·5	301·3	303·0	16th	295·9	293·6	29th	298·6	298·0	−0·3	169	− 69
1159	Onslow	21 43	114 57	4·3	1007·2	1007·7	− 0·5	307·9	312·9	30th	297·1	294·2	13th	302·5	..	+0·3	75	+ 51
1160	Peak Hill	25 38	118 47	588	944·4	1009·4	+ 0·3	307·4	310·8	15, 17, 19	294·7	289·7	9th	301·1	..	+0·3	6	− 27
1161	Nullagine	21 53	120 5	386	965·4	1008·5	0·0	307·0	310·2	15th	294·4	288·0	11th	300·7	..	−1·4	45	− 15
1162	Laverton	28 40	122 23	466	961·8	1014·1	+ 0·6	306·4	311·9	14th	291·9	283·6	31st	299·2	*299·1*	+1·8	1	− 30
1163	Alice Springs	23 38	133 37	587	946·0	1012·2	+ 0·4	300·0	306·3	15th	288·9	282·4	8th	294·4	*294·7*	−3·4	126	+ 96
1164	William Creek	28 55	136 21	76·2	1006·5	1015·4	+ 1·5	302·7	309·1	24th	289·8	283·3	7th	296·3	*296·1*	−1·4	26	+ 9
1165	Boulia	22 55	139 38	146	992·7	1009·3	+ 0·8	304·9	311·8	1st	294·6	290·5	7th	299·7	*300·0*	−1·2	45	− 1
1166	Thargomindah	27 58	143 43	123	998·9	1012·9	+ 1·2	303·6	311·4	1st	293·2	284·3	18th	298·4	*298·2*	−0·8	38	+ 18
1167	Mitchell	26 32	147 52	336	976·2	1014·2	..	301·2	307·7	1st	290·6	285·8	23rd	295·9	..	−0·2	81	0
1168	Rockhampton	23 24	150 30	11·3	1012·0	1013·3	+ 1·7	301·4	308·3	5th	293·2	290·7	22nd	297·3	*296·8*	−1·5	98	− 34
1169	Brisbane	27 28	153 2	41·7	1012·3	1017·0	+ 2·6	299·4	305·4	25th	291·8	288·7	8th, 22nd	295·6	*295·6*	−0·9	200	+ 59
1170	Norfolk Island	29 4	167 59	15·2	1016·2	1017·9	+ 3·7	298·1	299·9	7th	291·3	285·8	22nd	294·7	*294·2*	−0·1	14	− 87
		S.	E.															

Between Latitude 30° S. and 40° S.

MARCH—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	1017·4	1018·6	− 1·1	294·4	298·1	15th	289·2	286·8	31st	291·8	*291·6*	0·0	45	− 3
1221*a*	Punta Tumbes	36 37	73 6	120	1001·6	1016·0	+ 0·6	291·0	294·2	13th	283·9	281·5	29th	287·5	*287·3*	+0·1	11	− 5
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·8	1014·7	− 0·3	293·9	300·5	17th	285·1	283·0	27th, 31st	289·5	*289·0*	−1·1	8	− 2
1222*a*	Santiago	33 27	70 42	520	954·3	1014·0	+ 0·3	299·0	306·0	3rd	282·0	276·7	31st	290·5	*289·5*	0·0	0	− 5
1223	Cordoba	31 25	64 12	423	964·8	1013·1	+ 1·1	299·4	307·4	..	286·5	281·6	..	292·9	292·6	−0·7	173	+ 85
1224	Bahia Blanca	38 45	62 15	25	1011·7	1014·7	+ 2·3	297·0	304·0	15th	285·4	280·0	29th	291·2	291·0	−1·4	63	− 3
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1011·4	1015·1	+ 0·8	298·1	304·6	16th	287·2	278·3	20th	292·7	292·6	−1·3	121	+ 9
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1014·5	0·0	297·2	302·0	6th	290·6	285·2	21st	293·9	*293·6*	+0·2	100	+ 16
1226*a*	Porto Alegre	30 2	W51 13	23·5	1011·8	1014·5	− 0·6	300·6	308·6	1st	291·3	285·8	21st	296·0	295·4	−0·1	191	+103
1239	Cape Town	33 56	E 18 29	12·2	..	1014·7	+ 0·2	299·3	310·2	13th	289·0	284·1	27th	294·2	*292·5*	+1·1	7	− 16
1240	Danger Point	34 37	19 18	27·7	1006·9	1010·2	..	294·2	300·8	13th	287·7	283·0	17th, 18th	290·9	..	..	11	− 18
1241	Riversdale	34 6	21 16	? 61	1003·2	1010·3	..	299·9	309·7	14th	288·4	284·7	28th	294·2	..	..	38	− 6
1242	East London	33 1	27 54	9·8	1013·7	1014·8	− 0·2	298·7	303·0	16th	290·9	288·6	18th	294·8	..	+1·5	114	+ 41
1259	Perth (Observatory)	31 57	115 51	60·0	1007·6	1014·6	− 0·8	303·3	311·3	5th	290·9	284·1	30th	297·1	*296·6*	+2·4	24	+ 5
1260	Katanning	33 42	117 35	310	981·0	1016·0	+ 0·1	302·1	309·4	20th	287·1	277·6	31st	294·6	..	+2·5	4	− 20
1261	Coolgardie	30 57	121 10	423	966·8	1014·7	0·0	304·9	311·9	20th	288·6	280·7	31st	296·8	*296·7*	+1·7	3	− 16
1262	Eucla	31 45	128 58	4·6	1016·6	1017·2	+ 0·9	299·2	312·4	22nd	289·2	284·1	8th	294·2	*293·6*	+0·5	6	− 17
1263	Streaky Bay	32 48	134 13	13·1	1017·3	1018·6	+ 1·7	301·4	309·2	23rd	287·8	281·4	17th	294·6	*293·9*	+1·4	7	− 8
1264	Adelaide	34 56	138 35	42·7	1014·3	1019·2	+ 2·2	300·4	309·2	23rd	287·3	282·4	17th	293·8	293·3	−0·2	42	+ 15
1266	Melbourne	37 49	144 58	35·1	1015·2	1019·3	+ 2·3	297·2	308·0	24th	285·6	279·3	27th	291·4	*291·0*	+0·3	26	− 31
1266	Bourke	30 13	145 58	111	1005·5	1018·1	+ 1·9	303·6	311·9	25th	290·3	283·0	17th	296·9	..	−1·3	46	+ 14
1267	Sydney	33 51	151 13	40·5	1013·7	1018·5	+ 2·3	298·1	310·3	25th	290·1	285·8	7th	294·1	*293·7*	+0·4	79	− 43
1268	Lord Howe Island	31 20	159 0	4·6	1018·7	1019·3	+ 3·1	298·4	301·8	5th	291·8	286·8	23rd, 24th	295·1	..	+0·2	24	−114
1271	Auckland	36 50	174 50	38·1	..	1016·9	..	294·3	298·3	8th	287·6	284·1	30th	290·9	..	−0·4	35	− 42
1272	Napier	39 32	176 53	21·3	..	1014·7	− 2·2	296·2	304·1	7th	284·7	277·4	22nd	290·4	..	+0·2	2	− 84
		S.	E.															

Between Latitude 40° S. and 50° S.

MARCH—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1009·5	..	..	..	..	..	..	..	..	..	..	41	− 40
1321	Isla Guafo	43 34	74 45	140	1000·0	1016·8	+ 0·9	287·1	299·4	8th	282·5	280·0	16th	284·8	*284·9*	−0·1	117	+ 45
1322	Punta Galera	40 1	73 44	40	1012·4	1017·2	+ 1·0	289·1	294·2	7th	283·5	280·0	29th, 30th	286·3	*286·8*	+0·5	90	− 15
1323	Sarmiento	45 30	69 0	274	979·9	1010·6	..	294·8	302·3	9th	280·3	276·5	17th	287·5	287·4	−0·1	11	+ 1
1324	Punta Madryn	42 49	W64 58	14	1012·9	1014·6	..	296·3	307·2	21st	283·8	277·4	29th	290·1	289·6	−0·7	32	+ 23
1365	Launceston	41 27	E147 10	10·1	1014·4	1015·6	+ 1·2	296·1	302·4	13th	282·9	276·3	22nd	289·5	*288·5*	+0·4	14	− 30
1366	Hobart	42 53	147 20	53·9	1008·6	1015·1	+ 1·3	293·7	304·5	14th	283·9	278·6	27th	288·8	*287·8*	+0·6	20	− 23
1370	Invercargill	46 25	168 21	3·7	..	..	..	289·9	299·1	7th	282·8	276·3	13th	286·3	..	+0·4	137	+ 46
1371	Dunedin	45 52	170 31	91·4	..	1010·9	− 3·5	290·9	299·7	6th	281·4	277·4	19th, 24th	286·1	..	+0·1	79	+ 3
1371*a*	Christchurch	43 31	172 39	7·6	..	1012·0	− 2·2	292·1	298·8	4th	282·2	275·3	23rd	287·2	..	−0·3	31	− 22
1372	Wellington	41 16	174 46	3·1	..	1014·6	− 1·9	292·7	297·9	16th	284·8	279·0	9th	288·7	..	−0·1	33	− 52
		S.	E.															

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

MARCH—ZONE 14. RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	999·6	1006·3	+ 3·8	283·0	285·9	10th	279·6	277·1	15th	281·3	*281·4*	0·0	322	+ 19
1422	Puerto de Punta Arenas	53 10	70 54	28	1000·8	1004·2	+ 2·9	285·8	292·5	8th	280·0	276·6	28th	282·9	*283·2*	+1·3	8	— 30
1423	Punta Dungeness	52 24	68 26	5	1003·8	1004·4	+ 3·3	287·1	292·4	8th	280·3	277·2	15th	283·7	*283·8*	+0·7	..	..
1424	Santa Cruz	50 11	68 21	12	1006·0	1007·4	+ 3·5	291·8	298·3	3rd	279·8	273·0	19th	285·8	285·6	+0·1	21	+ 15
1424a	Año Nuevo	54 39	64 8	50	996·7	1002·8	+ 5·4	284·2	288·0	7th	278·1	273·4	29th	281·2	*280·7*	+0·4	62	+ 4
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1002·1	1004·7	+ 3·4	284·7	289·7	9th	278·4	273·0	29th	281·5	282·1	+0·5	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1002·2	1002·7	+ 5·9	280·3	288·0	23rd	273·4	269·5	20th	276·9	*277·2*	—1·3	66	— 72

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	996·0	996·9	+ 5·6	274·1	278·8	13th	270·6	265·8	27th	272·3	272·5	0·0	38	— 8
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH, 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
		m/s.		9h. 17h.	7h. 21h.		9h.	8h. 20h.	9h.
1	SE	3·7	..	SW 3 SW 4	W 1 S 1	..	N 2	ENE 4 ENE 3	Calm 0
2	SE	3·0	..	Calm 0 SW 1	SW 1 S 1	..	NW 2	ENE 4 ENE 2	Calm 0
3	SE	2·8	..	NE 1 SW 3	N 2 SW 2	..	Calm 0	ENE 4 ENE 3	Calm 0
4	SE	4·6	..	Calm 0 SW 2	S 1 W 2	..	Calm 0	ENE 2 ENE 4	Calm 0
5	SE	6·3	..	Calm 0 SW 3	W 1 W 1	..	Calm 0	ENE 2 ENE 2	Calm 0
6	SE	5·3	..	W 2 SW 2	S 2 SW 1	..	Calm 0	ENE 4 ENE 2	Calm 0
7	SSE	4·1	..	W 2 SW 3	S 1 S 2	..	Calm 0	Calm 0 ENE 2	Calm 0
8	SSE	5·3	..	SW 1 SW 2	SE 1 S 2	..	Calm 0	ENE 2 ENE 4	Calm 0
9	SSE	7·9	..	Calm 0 SW 2	Calm 0 SW 1	..	Calm 0	ENE 3 ENE 4	Calm 0
10	SE	5·8	..	SW 1 SW 1	S 1 S 1	..	Calm 0	ENE 5 ENE 3	Calm 0
11	S	4·7	..	SW 2 SW 2	S 1 S 2	..	Calm 0	ENE 4 ENE 1	N 1
12	SE	5·6	..	SW 1 SW 3	S 1 S 2	..	Calm 0	ENE 3 ENE 3	NE 1
13	SE	4·6	..	Calm 0 SW 2	S 2 S 1	..	Calm 0	ENE 2 ENE 5	NE 1
14	Calm	2·1	..	Calm 0 SW 2	Calm 0 S 2	..	Calm 0	ENE 3 ENE 2	NE 1
15	Calm	1·6	..	W 1 W 2	S 1 SW 2	..	Calm 0	ENE 3 NE 2	Calm 0
16	Calm	3·7	..	Calm 0 W 2	S 1 S 1	..	Calm 0	NE 2 E 2	NE 2
17	S	5·3	..	Calm 0 SW 4	S 1 S 1	..	Calm 0	NE 2 NE 2	N 0
18	SE	3·7	..	SW 2 SW 2	S 1 S 1	..	Calm 0	NE 2 NE 2	Calm 0
19	SE	4·9	..	W 1 SW 3	SW 2 W 1	..	SE 4	NE 2 ENE 5	Calm 0
20	SE	4·6	..	NW 2 SW 2	S 2 SW 1	..	Calm 0	NNE 4 NE 2	NE 1
21	S	4·2	..	NE 1 SW 1	S 1 SW 1	..	Calm 0	NE 4 NE 2	NW 0
22	S	3·9	..	NW 2 SW 3	S 1 S 2	..	Calm 0	ENE 3 NE 3	Calm 0
23	S	1·9	..	Calm 0 SW 3	S 1 SSW 1	..	Calm 0	NNE 3 NE 2	NE 0
24	SE	2·1	..	NW 2 SW 1	S 1 S 2	..	NW 2	NE 2 NE 2	Calm 0
25	SSE	5·6	..	SW 2 SW 2	S 1 SE 1	..	Calm 0	ENE 1 NE 1	Calm 0
26	SE	4·5	..	SW 2 SW 2	S 1 S 1	..	..	NE 1 Calm 0	Calm 0
27	S	4·4	..	SW 1 SW 2	S 1 S 2	..	..	NE 1 Calm 0	Calm 0
28	SSE	6·6	..	NW 2 Calm 0	SW 2 SSE 1	..	..	NE 2 NE 3	Calm 0
29	SE	5·8	..	NW 3 SW 2	S 1 S 2	..	NW 2	NE 1 NE 2	S 2
30	SE	7·6	..	W 1 SW 2	SW 1 S 1	..	Calm 0	NE 1 NE 2	S 1
31	SSE	5·0	..	NW 2 SW 1	SW 1 S 3	..	Calm 0	NE 2 NE 1	NE 0
Mean	..	4·6	..	1·2 2·1	1·2 1·4	..	0·4	2·5 2·4	
§Resultant	150° (84)	..	..	240° (66)	195° (81)	..	330° (10)	55° (88)	30° (25)
§Normal	142° (88)	6·4	‖78° (83)	277° (38)	260° (39)	76° (77)	320° (9)	‖84° (41)	79° (42)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 7608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH, 1921.

‡‡ *Barents Sea.*—The edge of the ice, consisting of young ice and small scattered sheets, was met with along the meridian 45° E. between 72° and 74° N., which farther east than normal. Early in the month there was ice all round Bear Island, but after the 24th the sea here became free of ice.

‡‡ *Spitsbergen.*—Along the west coast, the sea and bays were free of ice except towards the end of the month when pack ice occurred in the Foreland Sound and ice in Green Harbour, Advent Bay and Bell Sound. On a few odd days also there was ice at the entrances to Icefjord and Advent Bay.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 5 days visible and 2 days heavy.

‡‡ *Denmark Strait.*—Off Angmagsalik the ice was lying everywhere except for a land water.

‡‡ *N. Atlantic and Labrador.*—Forty-three icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being thirty-one. The ice more northerly than usual but was steadily advancing south and east. The number of floes was about the same as in February. Heavy pack ice was met in Belle Isle Strait, the Gulf of St. Lawrence and Cabot Strait, and drift ice round Belle Isle.

‡‡ *Davis Strait and Baffin Bay.*—The sea was open at Sagdlet. "Storis" was observed at Julianehaab, but from Arsuk to Holstensborg the sea was free of The west ice drifted away from the coast between Holstensborg and Disko.

‡‡ *Isforholdene i de Arktiske Have*, 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1921 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **APRIL—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	1016·6	..	259·4	267·4	12th	248·4	235·8	2nd, 3rd	253·9	..	—0·5	2	— 5
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	56 7	18·9	1014·3	1016·8	+ 0·9	263·7	277·3	30th	252·4	245·0	4th, 5th	258·1	*256·8*	—1·7	4	— 11
135	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
139	Spitsbergen (Green Harbour)	78 2	E 14 14	11·4	1010·5	1012·0	— 0·5	..	275·0	22nd	256·7	239·8	6th	..	261·7	+3·4	47	+ 24
140	Björnöen	74 28	19 15	40·5	1006·0	1011·2	..	..	..	..	..	..	..	..	*269·4*	..	18	..
141	Gjesvaer	71 6	25 22	6·5	1011·0	1011·8	+ 0·6	..	288·3	26th	272·5	267·0	18th	..	*275·6*	+3·3	91	+ 54
142	Mehavn	71 1	27 47	6·4	1011·1	1011·9	+ 1·7	..	284·5	25th	271·4	266·3	12th	..	*274·8*	+2·9	73	+ 25
143	Vardö	70 22	31 8	10·0	1011·8	1013·1	+ 1·2	..	283·9	27th	272·4	268·4	1st	..	*274·7*	+3·2	48	+ 9
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	1013·0	1014·5	+ 0·6	268·7	274·9	6th, 23rd	260·8	239·1	11th	264·8	*264·9*	..	5	..

Between Latitude 70° N. and 60° N. **APRIL—ZONE 2.**

203	Nome	64 30 N.	165 24 W.	6·7	..	1009·5	— 1·7	268·9	276·3	15th	259·9	249·7	19th	264·4	*264·7*	—0·2	11	— 4
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1011·2	— 4·0	275·3	282·4	11th, 29th	261·2	240·8	3rd	268·3	*268·7*	0·0	4	— 3
206	Rampart	65 30	150 15	122	..	..	..	274·1	280·8	12th	259·3	243·0	3rd	266·7	..	—1·5	0	— 6
207	Valdez	61 7	146 16	8·2	..	1009·8	— 1·9	279·6	285·2	30th	270·1	264·1	8th	274·8	*274·8*	—0·4	76	— 9
208	Eagle	64 46	141 12	254	..	1011·2	0·0	278·2	284·1	11th	263·9	251·3	2nd	271·1	..	+0·8	18	+ 8
209	Dawson	64 4	139 20	328	969·3	1010·0	— 2·5	279·1	285·8	29th	264·1	251·9	1st	271·6	..	+0·2	8	— 5
210	Carcross	60 11	134 34	662	..	..	..	278·7	281·9	30th	267·8	262·4	1st	273·3	..	+1·6	5	— 3
211	Fort Good Hope	66 15	128 31	65·2	1008·1	1016·6	..	272·6	285·8	11th	257·6	238·0	3rd	265·1	..	..	14	— 6
212	Fort Simpson	61 52	121 35	59·4	..	..	..	278·0	283·6	16th	266·8	256·3	2nd	272·4	..	+1·8	..	..
213	Hay River	60 51	115 57	161	995·2	1015·6	— 0·1	278·7	289·7	15th	267·6	249·1	4th	273·1	..	+5·0	4	— 9
225	Jacobshavn	69 13	51 2	12·6	1012·8	1014·4	+ 0·9	266·6	278·5	28th	253·6	?240·5	4th	260·1	*261·2*	—2·1	..	..
226	Godthaab	64 11	51 43	9·0	1007·5	1008·7	— 1·1	271·4	279·4	30th	264·1	256·6	3rd	267·7	*267·1*	—1·8	..	..
227	Ivigtut	61 12	48 10	5·0	1008·6	1009·2	+ 0·5	273·9	285·3	30th	266·7	256·4	3rd	270·3	*270·4*	—2·0	43	— 19
229	Angmagsalik	65 37	37 33	31·7	1005·9	1010·0	— 0·6	271·3	280·0	30th	261·5	251·4	4th	266·4	*266·2*	—2·1	52	— 11
231	Stykkisholm	65 5	22 46	20	1005·8	1008·3	— 1·7	277·3	286·0	29th	270·4	260·7	4th	273·9	*274·2*	+0·4	124	+ 86
232	Vestmanno	63 26	20 15	7·7	1008·3	1009·2	+ 0·9	279·7	284·7	29th	273·8	266·5	4th, 5th	276·7	*277·0*	0·0	154	+ 57
233	Grimsey	66 33	17 58	22·0	..	..	..	274·8	284·2	29th	..	..	..	..	*272·2*	+0·3	..	..
233a	Akureyri	65 40	18 4	35	..	1009·1	— 2·3	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1009·2	1011·4	+ 1·1	279·3	288·2	30th	272·5	263·1	4th	275·9	*275·7*	+1·3	119	+ 38
235	Thorshavn	62 3	6 45	26·3	1013·5	1016·8	+ 6·1	281·4	285·4	28th	276·1	268·3	16th	278·7	*278·8*	+0·7	56	— 37
236	Lerwick	**	W **	**	1013·9	1019·6	+ 8·4	282·2	289·7	29th	276·8	271·3	16th	279·5	*279·7*	+1·2	66	+ 8
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1013·5	1019·0	+ 5·5	284·5	295·8	27th	277·4	273·3	14th	280·9	*281·0*	+2·4	133	+ 37
238	Aalesund	62 28	6 10	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
239	Trondhjem	63 26	10 25	39·5	1013·1	1018·0	+ 4·6	283·7	293·6	26th	275·4	271·1	14th	279·5	*279·4*	+2·9	51	+ 6
240	Bodö	67 17	14 24	22·4	1012·4	1015·1	+ 2·9	..	290·6	26th	275·4	270·2	1st	..	*278·8*	+3·9	46	— 1
241	Haparanda	65 50	24 9	9·2	1015·5	1016·6	+ 3·1	279·8	291·5	25th	271·4	264·5	2nd	275·6	*275·7*	+4·6	36	+ 13
242a	Helsingfors	60 10	24 57	11·7	1017·9	1019·4	+ 5·0	283·3	292·3	26th	276·4	269·9	2nd	279·8	*279·8*	+5·1	35	0
	Kuopio	62 54	27 40	90·3	1007·1	1018·3	+ 4·0	284·4	296·2	26th	274·3	267·7	2nd	279·4	*279·6*	+5·4	34	+ 1
243	Kola	68 53	33 1	6·7	1014·2	1015·0	+ 2·4	279·0	289·0	27th	270·9	259·1	1st	275·0	*275·1*	+3·7	25	+ 11
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1018·3	1019·1	+ 5·5	282·7	295·6	23rd	274·4	265·3	12th	278·6	*278·1*	+6·3	35	+ 16
246	Mezen	65 50	44 16	14·9	1016·3	1018·1	+ 3·9	280·6	293·5	22nd	271·9	262·8	12th	276·2	*276·2*	+5·8	36	+ 25
247	Oust-Tsyima	65 25	52 18	? 68	1010·0	1018·6	+ 3·5	280·3	292·8	20th	270·4	250·8	13th	275·4	*275·4*	+4·8	18	..
248	Tcherdyn	60 24	56 31	?177	1000·8	1022·8	+ 7·2	284·1	295·7	21st	272·7	261·5	13th	278·4	*278·3*	+4·4	4	— 17
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1017·2	1022·3	+ 4·5	..	284·9	17th	263·4	248·1	14th	..	*270·2*	+2·0	21	+ 8
252																		
253	Doudinka	69 23	86 4	? 20	1012·7	1015·3	+ 2·8	..	275·0	6th	254·0	244·4	20th	..	*259·0*	+1·2	3	— 7
254	Touroukhansk	65 47	87 57	? 45	1012·7	1018·6	+ 3·1	..	281·0	4th	255·8	240·9	9th	..	*262·4*	—0·3	4	— 13
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	236·1	..	..	*261·9*	—2·8	3	— 4
262	Iakoutsk	62 1	129 43	?108	1000·2	1014·3	— 0·3	..	276·7	23rd	257·0	239·2	4th	..	*263·7*	—0·2	8	— 1
263	Verkhoïansk	67 33	133 23	100	995·9	1009·0	— 2·4	..	277·8	30th	248·7	231·0	1st	..	*261·3*	+2·1	0	— 4
271																		
272																		
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
** Station moved to 60° 9′ N., 1° 11′ W., 46·9 m. from April 14th.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1007·1	— 2·2	271·2	275·2	14th	266·3	258·6	5th	268·8	..	—1·4	28	— 47
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·8	— 3·2	275·6	280·8	16th	271·9	267·4	5th, 26th	273·7	..	—0·9	37	— 38
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	274·4	280·8	21st, 29th	267·8	251·9	2nd	271·1	..	0·0	10	— 27
306	Kodiak (Radio)	57 46	152 22	6·1	..	1004·4	— 4·7	278·5	285·8	30th	272·5	265·2	1st	275·5	..	—0·2	‡96	+ 5
309	Sitka	57 3	135 19	27·4	..	1011·5	— 1·9	281·8	287·4	17th	273·7	270·8	16th	277·8	277·7	—1·1	125	— 19
310	Prince Rupert	54 18	130 18	51·8	1009·7	1016·1	+ 2·2	281·9	290·8	9th	275·8	273·0	4, 5, 17	278·8	278·7	—0·1	116	— 70
311	Barkerville	53 2	121 35	1274	865·9	1013·5	+ 0·8	278·6	283·6	10th	268·0	260·2	4th	273·3	273·0	—1·1	80	+ 36
312	Kamloops	50 42	120 29	385	972·6	1018·9	+ 1·4	288·0	296·9	11th	274·7	267·4	7th	281·3	281·3	—1·5	9	— 6
313	Calgary	51 2	114 2	1045	892·3	1013·7	— 0·2	284·7	299·7	12th	270·2	264·1	8th	277·4	276·9	0·0	55	+ 30
314	Fort Chipewyan	58 42	111 10	218	988·5	1016·6	+ 1·0	279·1	284·1	16th	267·6	256·3	4th	273·3	274·2	+1·9	0	— 15
315	Prince Albert	53 10	105 38	442	962·4	1016·8	+ 2·6	280·2	288·0	27th	268·0	257·4	9th	274·1	273·8	—1·2	80	+ 50
316	Qu'Appelle	50 30	103 47	645	935·6	1013·2	— 1·4	280·8	293·6	18th	269·7	259·1	9th	275·2	274·8	—0·7	73	+ 39
317	Minnedosa	50 15	99 50	515	952·8	1015·6	— 0·8	279·7	292·4	18th	269·7	258·0	8th	274·7	274·3	—1·4	33	+ 3
318	Berens River	52 18	97 23	216	..	..	..	277·2	280·8	19th	..	..	..	..	..	..	20	— 2
318a	Port Nelson	57 4	92 36	14·9	1020·8	1022·7	+ 4·0	268·6	278·6	1st	258·6	243·0	3rd	263·6	..	—1·6	57	+ 27
319	Fort Hope	51 33	87 49	‡260	984·4	1017·9	..	277·3	295·8	25th	265·8	254·1	16th	271·6	‡271·8	—0·8	66	+ 39
320	Moose Factory	51 14	80 30	9·1	1017·6	1018·7	+ 1·1	280·2	296·9	26th	267·4	249·7	1st	273·8	..	+3·2	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	272·4	288·6	26th	262·4	241·3	3rd	267·4	..	..	..	— 2
322	Mistassini Post	50 15	73 55	383	..	..	..	278·4	292·6	30th	265·5	254·1	4th	271·9	..	+1·0	42	— 2
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	274·9	291·9	30th	265·5	254·7	7th	270·2	..	—1·5	61	+ 29
326	Belle Isle	51 53	55 23	133	..	..	..	271·6	276·3	28th Sea Temp. 284·3 +0·3	266·8	255·2	5th, 7th	269·2	269·2	—1·1	40	— 28
333	53°—48° N. 20°—15° W.	††50 1	††17 30	§(85-89)	..	1020·9	..	..	..	..	..	..	..	..	284·2	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1020·7	1022·4	+ 9·3	285·3	291·9	30th	279·0	274·7	19th	282·2	282·4	+0·6	31	— 66
335	Aberdeen	57 10	W 2 6	26·8	1017·6	1020·9	+ 8·4	283·6	292·4	1st	276·2	271·3	16th	279·9	280·2	+1·0	38	— 17
336	Greenwich	51 28	0 0	46·3	1014·1	1019·7	+ 5·5	288·2	295·8	13th	276·7	270·8	20th	282·4	281·8	+0·6	30	— 17
337	Uccle	50 48	E 4 22	100	1005·9	1018·1	+ 4·0	288·6	296·0	28th	276·8	269·9	16th	282·7	282·0	+1·0	34	— 19
338	De Bilt	52 6	5 11	3·0	1017·7	1018·1	+ 3·9	287·4	294·4	4th	276·3	269·2	16th	281·9	281·8	+0·8	29	— 25
338a	Hamburg	53 33	9 58	40·3	1013·6	1018·6	+ 5·4	286·0	294·5	27th	278·2	273·5	19th	282·1	282·0	+1·5	34	— 12
339	Copenhagen	55 41	12 36	5·0	1017·9	1018·5	+ 4·8	284·5	291·5	29th	277·9	273·5	15th	281·2	281·0	+2·6	23	— 11
340	Potsdam	52 23	13 4	84·9	1007·1	1017·5	+ 3·4	287·5	297·0	27th	276·8	271·5	20th	282·1	281·8	+1·1	15	— 11
340a	Uppsala	59 51	17 38	24	1015 3	1018 2	+ 4·4	285·9	296·4	28th	273·7	269·3	8th	279·8	279·8	+4·0	39	+ 11
341	Warsaw	52 13	21 1	133	1001·1	1017·0	+ 2·7	286·8	294·0	14th	277·4	272·4	6th	282·1	282·2	+1·6	57	+ 19
342	Dorpat (Jurjev)	58 23	26 43	74·5	1010·6	1019·8	+ 5·9	286·9	296·7	25th	276·8	270·3	2nd	281·8	281·5	+5·1	32	+ 3
343	Petrograd	59 56	30 16	4·8	1019·4	1020·0	+ 5·7	285·8	295·5	25th	277·2	270·6	2nd	281·5	281·3	+6·3	38	+ 12
344	Kiev	50 27	30 30	183	995·2	1017·2	+ 2·6	288·9	296·6	16th	279·0	273·8	3rd, 7th	284·0	283·6	+3·7	29	— 14
344a	Moscow	55 50	37 33	167	1001·8	1022·1	+ 5·6	289·4	295·9	19th	276·9	270·7	10th	283·2	283·4	+7·1	7	— 20
345	Saratov	51 33	45 57	?122	1007·5	1022·5	+ 5·3	289·0	296·8	18th	277·2	270·8	11th	283·1	283·0	+4·6	4	— 17
346	Kazan	55 47	49 8	79·9	1014·8	1024·6	+ 7·7	288·2	296·4	17th	276·6	269·5	10th	282·4	281·9	+5·9	8	— 11
347	Orenburg	51 45	55 6	109	1010·2	1023·8	+ 5·7	283·5	291·5	30th	273·6	262·6	9th	278·6	278·5	+2·1	23	— 20
348	Perm	58 1	56 16	163	1004·8	1025·0	+ 8·7	284·6	294·6	22nd	273·5	266·9	10th	279·0	279·0	+4·4	8	— 20
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	989·8	1024·5	+ 6·6	284·4	292·9	21st	272·6	264·7	2nd	278·5	278·1	+3·8	7	— 11
350	Tobolsk	58 12	68 14	108	1011·6	1025·2	+ 5·9	281·7	292·9	20th	270·4	257·3	13th	276·0	275·6	+2·5	6	— 11
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	0	— 12
352	Omsk	55 13	73 22	?108	1010·0	1023·7	+ 3·1	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1003·6	1024·1	+ 2·2	278·5	287·5	20th	269·1	260·1	1st	..	274·0	+1·2	0	— 12
354	Tomsk	56 30	84 58	122	1006·6	1022·1	+ 1·9	..	286·3	19th	268·2	255·3	15th	273·4	273·1	—0·7	9	+ 1
355	Minousinsk	53 43	91 41	249	990·7	1021·7	+ 0·4	..	287·8	17th	267·3	251·2	14th	..	272·5	+0·9	31	+ 7
356	Eniseisk	58 27	92 10	77·6	1010·0	1019·9	+ 1·3	..	283·0	8th	268·8	259·4	15th	..	275·0	..	8	— 2
357	Irkutsk	52 16	104 19	467	962·0	1019·8	+ 0·2	278·9	290·5	30th	263·8	253·3	2nd	..	270·7	—0·6	18	+ 2
358	Kirensk	57 47	108 7	263	..	..	..	..	..	..	265·6	256·0	2nd	272·2	272·2	—1·9	17	— 2
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	961·9	1008·8	..	276·5	284·5	9th	264·5	254·4	7th	270·5	270·8	..	51	..
362	Blagovyeshchensk (Bureau Météor)	50 16	127 30	142	989·9	1007·4	— 3·6	281·0	289·2	10th	270·6	262·1	4th	275·8	275·3	+0·5	24	+ 1
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	1001·9	1013·0	+ 3·9	..	280·5	27th	268·2	262·9	4th	..	270·2	—1·0	28	— 35
369																		
371	Attu Island	52 56	173 13	4·9	..	1012·2	+ 4·4	277·0	284·7	26th, 27th	270·8	265·2	2nd	273·9	..	..	104	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1009·1	1017·7	+ 0·4	284·7	291·9	9th	277·4	273·0	3rd	281·1	281·0	—0·3	29	— 15
412	Portland, Oregon	45 32	122 41	46·6	1014·1	1019·6	+ 1·9	287·9	295·8	9th	278·9	273·0	4th	283·4	283·2	—0·5	57	— 21
413	Macleod	49 44	113 24	953	..	..	..	285·3	292·4	12th	272·4	264·7	9th	278·8	279·0	—0·1	3	— 14
414	Helena	46 34	112 4	1253	871·1	1014·2	— 0·4	283·7	295·8	2nd	273·1	263·6	9th	278·4	278·5	—0·9	27	— 1
414a	Salt Lake City	40 46	111 54	1329	864·7	1012·8	— 0·1	286·3	294·7	2nd	276·3	269·1	7th	281·3	281·1	—2·0	67	+ 16
415	Cheyenne	41 8	104 48	1856	809·1	1012·8	— 0·5	282·8	293·6	23rd	270·7	261·3	9th	276·8	277·3	—1·0	51	+ 7
416	North Platte	41 8	100 45	859	914·0	1013·5	— 0·2	290·4	302·4	23rd	274·1	265·2	10th	282·2	282·1	—0·3	33	— 21
416a	Bismarck	46 47	100 38	511	953·1	1014·2	— 1·3	286·4	300·8	3rd	272·2	263·6	8th	279·3	279·1	+0·2	61	+ 19
417	Winnipeg	49 53	97 7	232	986·0	1014·7	— 2·2	281·3	294·1	18th	271·3	264·1	8th	276·3	276·1	+0·1	47	+ 9
418	Duluth	46 47	92 6	345	972·2	1014·2	— 2·0	282·4	295·2	25th	273·4	266·9	16th	277·9	277·5	+1·4	53	+ 8
419	Port Arthur	48 27	89 12	196	990·7	1014·8	— 1·7	282·4	291·9	18th	271·9	263·0	16th	277·2	276·9	+2·8	62	+ 24
420	Chicago	41 53	87 37	251	985·2	1015·2	— 0·7	289·9	300·2	24th	280·7	270·8	10th	285·3	285·0	+4·3	114	+ 44
421	Toronto	43 40	79 24	116	1002·4	1016·6	+ 0·9	286·9	296·9	5th	277·4	269·7	1st, 10th	282·2	282·1	+4·0	124	+ 63
422	New York (Central Park)	40 47	73 58	47·4	1012·0	1017·7	+ 0·2	291·9	299·1	5th, 6th	280·9	271·3	11th	286·4	285·8	+3·3	81	— 6
423	St. John, N.B.	45 17	66 4	36·2	1014·1	1018·6	+ 5·3	283·0	296·9	28th	274·7	266·3	7th	278·8	277·9	+1·9	112	+ 23
424	S.W. Point, Anticosti	49 24	63 33	9·1	1018·1	1019·3	+ 7·0	275·2	284·7	29th	269·7	259·7	7th	272·4	272·7	—0·2	54	+ 20
424a	Sable Island (Main Station)	43 57	60 6	7·6	1018·7	1019·6	+ 5·4	279·5	284·7	29th	273·2	268·0	7th	276·3	276·5	+0·2	103	+ 10
425	Port aux Basques	47 35	59 10	9·1	1017·9	1019·1	+ 5·6	276·3	288·6	29th	270·8	260·8	8th	273·6	273·3	0·0	125	+ 28
426	St. John's, Newfoundland	47 34	52 42	38·1	1012·0	1016·8	+ 5·5	279·1	291·9	26th Sea Temp.	270·8	260·8	6, 7, 8	274·9	274·8	0·0	57	+ 48
430	50°—45° N. 35°—30° W.	††47 16	††32 35	§(88)	..	1018·3	..	..	..	..	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	938·2	1015·9	+ 1·1	290·5	297·0	29th	278·2	272·2	17th	284·3	283·8	—0·4	1	— 40
436	Nantes	47 15	W 1 34	36·5	1013·6	1018·1	+ 3·5	288·6	295·0	29th	277·1	272·0	16th	282·9	282·7	—1·0	35	— 12
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·7	1017·8	+ 3·1	288·9	296·2	11th, 12th	277·3	271·2	16th	283·1	282·9	0·0	25	— 19
438	Marseille	43 18	5 23	75	..	1011·7	— 1·0	290·9	295·8	29th	279·3	274·4	21st	285·1	284·8	—0·8	41	— 11
438a	Zürich	47 23	8 33	493	957·2	1015·9	+ 1·4	286·7	295·1	4th	276·1	271·8	17th	281·4	280·7	—1·1	68	— 23
439	Rome	41 54	12 27	45·5	1006·3	1011·6	— 1·3	290·8	293·5	11th	281·6	275·8	22nd	286·2	286·2	—0·5	81	+ 13
440	Vienna	48 15	16 22	203	991·0	1015·6	+ 2·0	285·3	293·3	14th	277·7	274·7	18th	281·5	281·6	—0·8	148	+ 98
440a	Budapest	47 31	19 2	130	998·3	1014·1	+ 1·2	289·4	296·5	13th	278·6	273·5	4th	284·0	283·6	+0·2	43	— 15
441	Sofia	42 42	23 20	550	949·0	1013·6	+ 0·4	289·4	298·9	17th	277·1	269·0	5th	283·3	283·2	+0·1	33	— 19
442	Bucharest	44 25	26 6	82	1004·2	1014·1	— 0·2	291·3	298·5	17th	278·2	270·0	5th	284·7	284·6	+0·3	15	— 32
443	Odessa (University)	46 29	30 46	65·3	1007·5	1015·5	+ 0·6	286·4	292·6	27th	279·0	272·9	11th	282·7	282·1	+0·8	21	— 4
444	Kharkov (University)	50 0	36 14	140	1001·6	1018·5	+ 2·1	289·2	296·9	17th	278·4	269·7	11th	283·8	283·6	+3·6	32	— 3
444a	Novorossiisk	44 44	37 49	37·1	1010·0	1014·5	— 0·4	287·7	297·5	21st	279·9	275·1	4th, 11th	283·8	283·9	+0·5	100	+ 51
445	Tiflis	41 43	44 48	404	967·9	1016·4	+ 0·2	290·0	293·2	5th	281·7	277·9	1st	285·9	285·3	+0·6	121	+ 66
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1019·8	1017·0	+ 1·2	286·9	293·6	30th	279·1	275·6	9th, 10th	283·0	283·0	+0·7	14	0
448	Krasnovodsk	40 0	52 59	— 5·9	1015·8	1015·1	— 0·5	291·0	298·5	4th	282·8	278·6	6th	286·9	286·6	0·0	..	..
449	Kasalinsk	45 46	62 7	67	1010·3	1018·5	— 0·3	..	..	..	278·2	270·4	8th	..	283·3	+1·5	19	+ 5
450	Tachkent	41 26	69 18	478	960·0	1015·7	— 0·5	293·9	298·2	25th	283·0	272·6	9th	288·4	287·7	+0·7	88	+ 32
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	287·9	294·0	*28th	278·8	271·8	9th	283·3	282·8	..	134	..
461	Moukden	41 48	123 23	43·8	1009·7	1015·1	+ 0·6	287·6	297·0	24th	275·1	265·0	7th	281·3	281·1	—0·1	44	+ 18
462	Joshin	40 40	129 11	31·9	1011·5	1015·4	+ 1·6	284·4	292·7	15th	276·1	270·0	8th	280·3	279·9	+0·1	13	— 13
463	Yuki	42 20	130 24	65·6	1006·6	1014·7	+ 1·4	283·1	289·0	28th	274·6	269·1	6th	278·9	278·7	+0·6	29	— 10
464	Vladivostok	43 7	131 55	128	999·4	1015·3	+ 0·9	280·7	286·5	26th	274·3	268·7	5th	277·5	277·0	—0·5	39	+ 8
465	Ochiai	47 20	142 46	6·6	1013·4	1014·2	+ 2·7	278·4	286·5	30th	269·6	254·6	8th	274·0	273·9	+0·5	43	— 7
466	Nemuro	43 20	145 35	26·7	1013·0	1016·3	+ 2·6	279·6	285·6	12th	273·9	269·6	6th	276·8	276·4	+0·5	134	+ 61
466a	Syana	45 14	147 53	39·3	1011·5	1016·4	+ 3·1	279·4	287·0	23rd	272·2	264·6	6th, 7th	275·8	275·9	+1·6	77	+ 12
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1012·7	1018·6	+ 1·0	289·8	303·0	27th	281·7	279·1	4th	285·8	285·3	+0·2	14	— 23
512	San Luis Obispo	35 18	120 39	61·3	1010·8	1018·3	+ 0·8	292·3	308·0	28th	279·3	273·0	14th	285·8	285·1	—0·6	14	— 22
513	San Diego	32 43	117 10	26·5	1012·9	1016·2	+ 0·4	291·1	304·1	28th	283·2	279·7	5th	287·1	286·8	—0·8	1	— 16
514	Modena	37 48	113 54	1670	830·2	1011·5	— 0·8	287·7	296·9	30th	270·6	263·0	24th	279·1	279·1	—1·7	34	+ 11
515	Santa Fé	35 41	105 57	2138	783·7	1011·2	+ 0·4	286·5	295·2	23rd	272·2	265·2	25th	279·3	279·2	—2·5	14	— 10
516	Denver	39 45	105 0	1613	833·8	1012·5	+ 0·2	286·2	298·0	23rd	274·5	266·3	17th	280·3	280·7	—1·0	59	+ 6
517	Abilene	32 23	99 40	530	952·4	1013·2	+ 0·2	297·7	307·4	24th	282·7	271·9	17th	290·2	289·6	—1·4	8	— 58
518	Saint Louis	38 38	90 12	173	994·8	1015·2	— 0·1	292·8	300·8	25th	282·2	271·9	17th	287·5	287·1	+0·7	178	+ 88
519	Mobile	30 41	88 2	17·4	1016·2	1018·3	+ 1·5	296·4	301·3	8th	287·1	277·4	18th	291·8	291·6	—0·2	113	— 10
520	Nashville	36 10	86 47	166	998·8	1018·9	+ 2·5	293·8	300·8	26th	282·4	274·1	11th	288·1	288·2	+0·1	89	— 22
521	Charleston	32 47	79 56	14·6	1016·9	1018·6	+ 1·3	296·2	303·0	27th	287·9	278·6	11th	292·1	292·4	+1·7	52	— 22
522	Washington	38 54	77 3	34·1	1013·6	1017·9	+ 1·6	294·1	305·2	25th	282·1	272·4	11th	288·1	287·9	+3·2	74	— 8
523	Bermuda	32 17	64 46	46·0	1015·8	1021·2	+ 3·9	295·8	298·0	29th	289·7	287·4	12, 17, 23	292·7	292·3	+0·6	65	— 37
524	Santa Cruz (Flores)	39 27	31 9	28	1014·2	1017·3	— 3·6	290·0	293·1	21st	285·2	281·5	10th	287·6	287·5	—0·5	95	— 16
530	Horta	38 32	28 38	65	1009·7	1016·9	— 4·2	290·9	294·0	21st, 23rd	285·6	282·8	10th, 12th	288·3	287·9	—0·6	158	+ 83
531	Ponta Delgada	37 44	25 40	22	1015·6	1017·5	— 3·8	290·1	291·8	23rd, 30th	286·0	284·1	6, 7, 26	288·1	288·1	0·0	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532a	Madeira (Funchal)	32 37	16 54	25	‡1017·4	‡1020·4	+ 1·5	291·6	293·4	16th	286·7	284·0	1st	289·1	289·3	+0·1	144	+ 64
533	Lisbon	38 43	9 9	95	1004·5	1015·8	— 0·1	291·9	296·4	25th	284·3	282·2	17th	288·1	287·7	+0·6	55	+ 6
534	Melilla	35 18	2 59	8	1014·9	1015·9	— 1·5	294·1	296·2	19th	284·6	282·0	6th	289·4	290·7	0·0	43	— 26
535	Gibraltar	36 6	5 21	16·2	1013·5	1015·4	— 1·3	292·5	296·3	24th, 30th	284·8	281·9	1st, 10th	288·7	288·4	—0·4	86	+ 39
535a	Colomb-Béchar	31 6	4 6	786	..	..	..	..	..	..	..	..	..	..	..	..	75	+ 7
		N.	W.														..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

APRIL—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1011·0	1013·8	— 0·2	290·0	293·0	15th, 30th	281·0	275·0	17th	285·5	..	−2·6	87	+ 50
538	Algiers (Bouzaréah)	36 48	3 2	342	973·5	1013·2	— 1·9	288·4	294·2	28th	281·9	277·8	17th	285·2	284·9	−1·3	114	+ 62
539	Tunis	36 48	10 10	21	1009·2	1011·7	..	291·5	298·5	15th	283·6	279·2	26th	287·5	*287·0*	−0·6	93	+ 37
539*a*	Malta	35 54	14 31	56·4	..	1012·4	— 0·4	290·2	291·3	20th	284·1	283·6	4th, 7th	287·1	*286·3*	−2·0	61	+ 31
540	Riposto	37 41	15 14	14·2	..	1014·1	— 1·1	289·8	292·8	19th	284·2	282·1	23rd	287·0	*286·4*	−1·8	96	+ 51
541	Athens	37 58	23 43	107	999·8	1012·6	— 0·5	291·1	294·6	17th	282·9	277·8	12th, 13th	287·0	286·6	−1·2	29	+ 5
542	Alexandria	31 12	29 53	32·0	1009·0	1012·7	— 1·4	297·7	310·0	18th	287·5	285·3	9th	292·6	*292·0*	+0·6	0	— 5
543φ	Nicosia (P.W.D.)	35 9	33 22	159	992·6	1011·1	— 0·8	295·2	299·1	17th	282·6	279·1	2, 10, 14	288·9	..	−0·6	57	+ 31
544	Beirut	33 54	35 28	33·7	..	1011·9	— 1·5	294·6	301·0	6th	287·7	282·8	11th	291·1	*290·9*	−0·1	35	— 15
545	Baghdad	33 21	44 28	38·1	1006·3	1010·8	— 1·8	302·5	309·2	26th	289·6	284·4	2nd	296·1	*293·3*	+1·7	5	— 18
546	Lenkoran	38 46	48 51	—20·0	1018·2	1015·8	— 0·1	..	293·4	7th	281·8	278·8	12th	..	*285·1*	+0·1	13	+ 9
547	Tehran	35 41	51 25	1220	..	..	..	295·2	299·9	15, 16, 27	..	278·6	1st	..	‡285·9	..	74	+ 70
548	Meshed	36 16	59 35	946	..	..	..	294·8	301·3	10th	282·2	277·4	20th	288·5	..	+1·3	42	— 1
549	Seistan	31 0	61 30	?	..	..	..	305·1	311·6	12th	288·9	284·5	1st	297·0	..	..	0	— 16
550	Quetta	30 11	67 3	1677	833·9	..	+ 1·0	300·0	303·8	12th	282·2	276·3	1st	291·1	*291·4*	+2·6	17	— 3
551	Peshawar	34 2	71 37	339	970·9	1009·2	— 1·0	309·3	312·8	12th	292·1	286·8	2nd	300·7	*300·5*	+5·0	12	— 3
551*a*	Lahore	31 34	74 20	214	982·3	1006·2	— 1·0	312·3	315·5	20th	295·8	287·1	1st	304·1	*303·9*	+3·8	2	— 1
552	Simla	31 7	77 8	2205	782·7	..	+ 1·9	294·2	297·1	21st	286·9	280·7	8th	290·6	*290·9*	+3·0	17	— 1
552*a*	Leh	34 10	77 42	3503	669·5	..	+ 3·3	287·5	292·2	27th	273·6	269·6	2nd	280·6	*280·0*	+1·5	5	— 1
559	Hankow	30 35	114 17	37·0	1010·9	1015·2	— 0·3	294·1	301·4	14th	285·2	275·9	8th	289·7	*289·2*	−0·2	243	+ 165
560	Tientsin	39 10	117 10	5·0	1015·4	1016·0	+ 0·7	292·9	300·9	21st, 22nd	280·3	272·4	5th	286·6	*286·3*	+0·3	22	+ 6
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1015·7	+ 0·2	292·1	300·8	22nd	282·3	273·1	8th	287·2	286·3	−0·2	125	+ 35
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1008·7	1017·0	+ 1·9	288·6	299·1	26th	279·1	273·3	6th	283·8	283·0	+0·5	58	+ 10
562*a*	Nagasaki	32 44	129 52	133	999·7	1015·6	+ 0·2	292·9	298·4	23rd	283·7	276·9	9th	288·3	287·9	+0·7	299	+ 96
563	Kyoto	35 1	135 44	42·9	1012·2	1017·5	+ 2·2	292·0	299·1	26th	280·7	272·3	9th	286·3	286·2	+1·0	247	+ 80
564	Tokyo	35 41	139 45	21·3	1014·7	1017·2	+ 1·8	291·7	297·4	28th	282·5	274·9	10th	287·1	286·8	+1·2	137	+ 30
565	Kanayama	37 53	140 46	24·6	1014·1	1017·1	+ 1·5	289·8	295·2	28th	279·4	271·5	1st, 5th	284·6	284·2	+1·6	70	— 20
566	Miyako	39 38	141 59	30·4	1012·6	1016·4	+ 1·4	289·1	298·7	28th	278·3	271·2	9th	283·7	283·0	+1·8	70	— 20
		N.	E.															

APRIL—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1020·3	0·0	296·1	300·8	21st	290·2	285·2	29th	293·1	*292·7*	..	130	..
605	Honolulu	21 19	157 52	11·6	1017·1	1018·4	+ 0·3	299·0	300·8	..	293·9	290·2	..	296·4	*296·2*	+0·6	19	— 39
614	La Paz	24 10	110 20	12	1011·3	1012·7	..	303·5	311·5	19th	287·8	284·7	15th	295·6	..	..	0	..
615	Chihuahua	28 38	106 4	1423	858·0	1011·2	..	298·4	301·5	23rd, 30th	282·2	276·2	7th	290·3	*290·4*	..	0	..
616	Leon	21 7	101 41	1809	820·7	1007·1	— 0·1	302·5	304·6	20th	285·0	281·5	16th	293·7	*294·9*	+0·8	3	..
616*a*	Monterry	25 40	100 18	528	953·6	1013·6	..	301·8	308·7	25th	287·4	282·2	18th	294·6	*295·2*	..	26	..
617	Tulancingo	20 5	98 22	2180	792·7	..	..	296·1	300·0	..	282·9	278·0	..	289·5	288·8	−1·8	23	— 14
618	Galveston	29 18	94 50	16·5	1014·6	1016·6	+ 1·3	295·4	298·6	16th	280·9	279·1	17th	292·7	*292·9*	−0·5	63	— 20
618*a*	New Orleans	29 57	90 4	16·2	..	1017·6	+ 1·5	297·6	301·9	14th	288·6	279·7	18th	293·1	*293·1*	+0·2	124	— 1
619	Merida, Yuc.	20 58	89 38	22	1011·3	1013·8	..	305·8	308·4	16th, 22nd	295·1	290·8	14th, 20th	300·4	*299·7*	..	15	— 26
620	Havana	23 8	82 21	24·3	..	1017·1	+ 1·1	302·3	305·1	23rd	294·7	291·5	13th	298·5	*297·9*	+0·8	18	— 17
620*a*	Key West	24 33	81 48	0·7	1016·4	1017·3	+ 0·8	300·9	302·4	23rd	295·3	291·3	19th	298·1	*297·7*	+0·5	12	— 17
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	300·2	..	..	295·7	..	..	297·9	*297·8*	+1·0	93	— 12
622	Watling Island	24 6	74 26	33·5	1014·5	1018·4	+ 1·8	..	300·8	2, 17, 28	..	294·1	12th	..	*297·9*	..	..	..
633	Izaña	28 19	16 30	2367	764·9	..	..	283·5	288·4	30th	274·2	269·0	7th	278·9	*278·8*	−0·4	19	— 23
634	La Laguna	28 28	W16 20	547	953·5	1017·2	+ 1·1	291·7	294·4	25th	283·2	278·4	10th	287·4	*286·8*	0·0	22	— 6
641	Siwa	29 12	E25 29	—23	1014·2	1011·5	..	302·0	309·9	17th	286·6	282·9	29th	294·3	..	..	0	— 4
642																		
643	Cairo (Helwan)	29 52	31 20	116	998·0	1011·4	— 1·6	300·8	312·7	18th	287·4	283·1	9th	294·1	*294·1*	+0·2	0	— 5
643*a*	Aswan	24 2	32 53	99·6	997·1	1008·3	— 2·8	311·4	318·9	21st	294·1	287·0	10th	302·8	*301·6*	+2·9	..	..
644	Tor	28 14	33 37	1·9	1010·0	1010·3	— 0·7	299·8	306·0	28th	289·8	283·0	4th	294·8	*294·8*	+0·4	0	— 1
647	Bushire	28 59	50 53	4·3	1009·1	1009·7	— 1·9	303·2	310·9	10th	294·6	291·1	12th	298·9	*298·2*	+2·5	3	— 1
648	Jask	25 44	57 47	4·0	1008·4	1008·9	— 1·4	305·4	308·2	15th	293·2	289·9	3rd	299·3	*298·6*	−0·3	0	— 1
649	Karachi	24 53	66 57	4·0	1008·6	1009·1	0·0	303·1	305·9	2nd	297·0	291·9	3rd	300·1	*299·4*	+0·6	0	— 5
650	Jacobabad	28 17	68 29	56·7	1000·3	1006·5	— 0·8	312·8	315·5	18th	296·2	287·6	1st	304·5	*304·0*	+2·2	0	— 1
651	Jaipur	26 56	75 52	436	960·1	1007·9	+ 0·1	313·0	315·0	20th	295·8	291·2	5th	304·4	*304·4*	+1·3	1	— 15
652	Nagpur	21 8	79 5	310	974·4	1008·4	+ 0·7	314·7	316·7	29th, 30th	298·9	294·1	5th	306·8	*306·6*	+1·3	0	— 1
653	Allahabad	25 25	81 51	94·1	997·0	1007·1	+ 0·4	314·5	317·1	28th	297·5	292·3	2nd	306·0	*305·7*	+2·1	0	— 1
653*a*	Darjeeling	27 3	88 18	2266	776·5	..	+ 1·1	291·3	295·7	1st	283·1	280·6	14th	287·2	*287·5*	+1·1	182	+ 7
654	Calcutta	22 36	88 23	6·4	1008·0	1008·7	+ 0·6	307·7	311·1	2nd	297·6	294·8	22nd	302·6	*302·2*	−0·2	72	— 1
655	Gauhati	26 8	91 41	59·7	1004·5	1011·4	+ 1·5	302·3	306·0	4th	293·3	291·2	18th	297·8	*296·7*	−0·2	368	+ 18
655*m*	Cherrapunji	25 15	91 42	1314	869·2	..	+ 1·5	294·3	296·7	18th	288·2	283·7	5th	291·3	*290·7*	+0·3	741	+ 39
655*a*	Akyab	20 11	92 56	6·1	1010·0	1010·7	+ 0·3	306·1	307·2	18th	296·3	293·7	22nd	301·2	*300·9*	−0·5	9	— 14
656	Mandalay	21 59	96 0	76·2	1001·4	1009·9	+ 0·9	313·0	316·3	3rd	298·9	294·9	20th, 22nd	305·9	*305·4*	+0·6	45	— 4
656*a*	Tengyueh	25 2	98 33	1625	835·7	1008·7	+ 1·2	296·3	299·7	30th	292·3	278·6	4th	289·3	*288·9*	+1·0	24	— 4
657	Phu Lien	20 48	106 38	116	997·9	1011·3	+ 0·6	297·8	306·1	27th	293·3	288·9	9th	295·5	295·0	−0·4	30	— 4
658	Moncay	21 31	107 51	9	1010·7	1011·7	+ 0·8	298·5	303·5	15th	293·0	287·9	9th	295·7	*295·4*	−0·1	61	— 3
659	Hongkong	22 18	114 10	33·2	..	1013·3	+ 0·6	297·7	302·3	25th, 27th	293·4	288·8	8th	295·5	295·2	+0·9	72	— 14
660	Amoy	24 27	118 4	ca.3	1014·7	1015·1	+ 0·1	296·7	301·3	sev. dates	290·4	282·4	1st	293·5	*293·3*	+1·1	22	— 11
661	Taihoku, Formosa	25 2	121 31	9·3	1013·4	1014·4	+ 0·4	300·5	305·1	27th	290·7	284·7	8th	295·6	295·0	+1·2	17	— 11
661*a*	Basco	20 28	121 59	18·7	1009·0	1011·4	+ 0·5	..	..	..	296·0	292·7	9th	..	*299·3*	+0·2	43	— 6
662	Naha	26 13	127 41	10·5	1013·8	1015·0	+ 0·6	298·7	303·2	29th	291·2	284·6	9th	294·9	294·7	+0·8	67	— 6
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·1	1015·5	— 0·3	296·8	298·9	30th	291·3	287·4	25th	294·1	293·9	+0·3	77	— 40
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.
φ For Cairo *see* No. 643.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. **APRIL—ZONE 7.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	509	956·0	1012·8	..	303·2	304·8	3rd	293·9	291·5	15th	298·5	*297·7*	..	0	..
716	Morelia	19 42	101 7	1923	808·0	1005·3	..	298·0	300·6	9th, 19th	288·4	285·5	3rd	293·2	*293·0*	..	2	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·8	..	+ 0·2	300·5	303·2	20th	281·6	279·6	7th	291·1	290·0	+0·3	13	— 6
718	Salina Cruz	16 12	95 12	56	1005·4	1011·8	..	303·7	307·9	9th	297·5	294·9	20th	300·6	*300·2*	..	2	..
719	San Salvador	13 42	89 13	682	936·0	1011·1	+ 0·8	307·6	309·6	18th	291·0	288·4	12, 20, 21	299·3	*297·5*	+0·3	74	+ 14
720	Belize	17 29	88 12	5·2	1013·3	1013·9	+ 0·8	..	..	..	297·1	293·0	12th, 13th	..	‡*300·0*	..	32	— 35
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·6	+ 1·2	302·4	304·5	1st	293·2	291·9	8th	297·8	*297·8*	−0·6	122	+ 56
722	Port au Prince	18 33	72 20	37·4	1011·1	1015·4	+ 0·9	304·0	306·1	25th	294·1	292·1	11th	299·1	*298·6*	−0·7	186	+ 21
723	Caracas	10 30	66 55	1042	899·7	1014·3	+ 1·2	298·8	301·0	19th	287·8	286·0	3rd	293·3	*291·8*	−1·4	17	— 22
724	Montserrat	16 41	62 9	39·6	1010·9	1015·4	+ 0·4	302·7	305·8	30th	294·7	293·6	4, 14, 23	298·7	*298·2*	−0·7	63	— 25
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡995·3	‡1013·2	+ 0·4	301·8	303·6	14th	295·7	294·7	sev. dates	298·7	*298·3*	−0·4	46	— 12
725	Barbados	13 8	59 36	55·2	..	1014·2	+ 0·1	302·1	303·4	23rd	295·3	293·5	16th	298·7	*298·4*	+0·3	12	— 30
731	São Vicente, C. Verde Is.	16 54	25 4	11	1012·9	1014·2	— 0·3	298·4	300·0	13, 15, 20	..	..	..	..	*296·1*	+1·1	0	— 0
732	San Tiago, C. Verde Is.	14 54	23 31	? 40	1009·1	1013·7	— 0·6	300·1	303·8	13th	294·4	291·4	1st	297·3	*297·4*	+1·0	0	— 1
733	Bathurst	13 27	16 36	1·8	1013·9	1014·1	+ 0·6	304·8	309·7	21st	292·6	288·6	6th	298·7	*298·5*	+1·0	0	0
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	312·6	315·8	5, 10, 17	295·9	293·0	22nd	304·2	..	−0·1	0	0
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	0	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	*306·5*	..	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	312·6	315·8	1, 11, 29	298·4	294·7	5th, 7th	305·5	*305·1*	−0·3	42	+ 38
738	Kaduna Capital	10 32	7 25	637	944·0	1014·3	+ 1·9	306·3	311·9	1st	294·8	290·8	24th	300·5	*300·0*	−0·4	103	+ 10
739	Hadeija	12 40	10 5	?	..	..	..	315·7	320·2	11th, 12th	293·8	288·6	8th	304·7	*304·3*	−0·4	16	+ 7
740	Maiduguri	11 47	13 11	361	..	..	..	315·2	320·2	11th	297·5	294·1	1st, 10th	306·3	*305·9*	0·0	41	+ 31
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	294·1	289·2	13th	..	*303·0*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	313·6	315·7	7th	294·1	288·5	11th, 12th	303·8	*304·3*	+2·9	3	+ 2
743*a*	Khartoum	15 37	32 33	390	961·5	1003·3	— 3·5	314·6	318·3	28th	297·0	291·5	11th	305·8	*307·2*	+3·0	0	0
744	Port Sudan	19 37	37 13	5·5	1009·2	1009·9	+ 0·1	305·1	309·1	24th, 30th	294·3	289·1	11th	299·7	*299·6*	+0·4	0	— 1
745	Berbera, Somaliland	10 22	45 2	9·5	1009·1	1010·2	— 1·3	305·0	308·0	10th	297·2	295·2	2nd, 21st	301·1	*301·3*	−0·5	0	— 11
746	Aden	12 45	45 3	28·7	1007·5	1010·8	— 0·7	304·6	307·9	17th	297·9	295·8	18th	301·3	*300·3*	−0·1	0	— 5
751	Bombay	18 54	72 49	11·3	1009·1	1010·4	— 0·1	305·6	308·7	30th	299·0	296·8	1st	302·3	*301·2*	+0·9	0	— 1
752φ	Kodaikanal	10 14	77 28	2343	771·7	..	+ 0·1	293·6	296·1	6th	284·3	282·7	3rd	288·9	*288·1*	−0·4	250	+ 136
752*a*	Bangalore	12 59	77 38	920	910·6	1009·9	+ 0·3	306·2	309·2	6th	293·6	291·7	19th	299·9	*299·1*	−0·5	89	+ 55
753	Madras	13 4	80 14	6·7	1009·4	1010·1	+ 0·2	306·6	308·5	23rd, 24th	298·7	296·1	17th	302·7	*302·0*	+0·1	51	+ 35
754	Vizagapatam	17 42	83 19	11·6	1008·7	1010·0	+ 0·6	304·6	306·4	30th	299·4	294·7	2nd	302·0	*301·4*	..	61	+ 40
755	Port Blair	11 40	92 40	18·0	1008·7	1010·8	+ 0·1	306·2	307·7	29th	299·1	297·8	11th	302·6	*302·0*	−0·2	37	— 32
756	Rangoon	16 46	95 48	5·5	1011·0	1011·7	+ 1·1	307·3	311·4	25th	297·8	296·1	5th	302·6	*301·3*	−1·1	0	— 38
757	Saigon	10 47	106 42	11	1008·6	1009·8	+ 0·8	307·1	308·9	20th	297·7	295·8	1st	302·4	*301·8*	−0·3	23	— 34
758	Nhatrang	12 15	109 12	3·6	1010·4	1010·8	+ 0·8	303·8	306·0	25th	295·8	292·7	1st	299·8	*299·3*	−0·9	11	— 16
759	Bolinao	17 34	120 23	12·2	..	1009·8	+ 0·8	305·4	307·3	26th	297·1	294·2	4th	301·3	*301·1*	−0·1	11	— 10
761	Vigan	17 34	120 23	12·2	..	1009·8	+ 0·8	305·4	307·3	26th	297·1	294·2	4th	301·3	*301·1*	−0·1	11	— 10
761*a*	Manila	14 35	120 59	14·2	..	1010·4	+ 0·5	306·7	308·5	25th	295·4	292·7	2nd	301·1	*300·4*	−0·7	28	— 5
762	Ormoc	11 0	124 36	5·6	1008·4	1009·1	+ 0·3	306·1	308·0	10th	294·2	291·7	15th	300·1	*300·0*	+0·7	112	+ 34
765	Guam, Ladrone Is.	13 24	144 38	20·4	1005·0	1007·6	— 2·0	302·7	304·3	27th	297·9	296·2	29th	300·3	*299·9*	−0·3	221	+175
		N.	E.															

Between Latitude 10° N. and 0°. **APRIL—ZONE 8.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1011·6	+ 0·5	303·2	304·1	9th	298·1	296·3	12th	300·7	*300·3*	+0·9	189	+ 82
822	Bogota	4 36	74 0	2645	..	..	..	..	..	..	..	..	..	..	..	..	138	— 6
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·7	..	+ 0·3	296·1	298·0	1, 4, 30	288·6	287·0	1st, 3rd	292·4	*291·2*	−0·6	160	— 5
824	El Peru, Guayanavieja	7 19	61 49	220	?986·0	?1010·9	0·0	303·4	304·7	3rd	293·6	292·1	5th	298·5	*297·9*	−0·6	150	+ 77
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·1	+ 1·5	302·3	303·6	8th, 9th	297·4	296·3	11th, 14th	299·9	*299·5*	−0·1	217	+ 64
826	Paramaribo	5 49	55 9	3·7	‡1013·3	‡1013·7	+ 0·8	302·1	304·0	17th	295·9	294·3	22nd	299·0	*298·4*	−0·1	240	+ 16
826*a*	Cayenne	4 56	52 21	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Konakri	9 4	13 42	16	..	..	..	303·5	304·7	8th	297·9	296·9	11th	300·7	*300·3*	−0·8	19	— 7
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·3	1011·2	+ 0·4	305·2	307·4	11th	..	..	..	..	‡*301·1*	−0·5	37	— 66
835	Assuantsi	5 18	1 15	101	..	..	..	304·9	306·9	3, 14, 21	294·5	292·4	5th, 8th	299·7	*299·0*	..	115	..
836	Accra	5 33	W 0 12	25·1	..	..	..	304·3	306·3	12th	296·5	294·7	1, 7, 27	300·4	*299·9*	+0·1	136	+ 42
837	Lagos	6 27	E 3 24	6·7	1009·2	1009·9	— 1·4	305·9	310·2	..	297·9	295·2	..	301·9	*301·4*	+0·7	122	— 24
838	Zangeru	9 48	0 10	130	..	..	..	312·3	316·3	2nd	297·9	292·4	21st	305·1	*304·5*	+1·5	54	— 4
839	Yola	9 12	12 30	259	..	..	..	310·9	315·8	1st	..	..	..	..	‡*302·6*	−0·5	28	— 25
841	Wau	7 42	28 3	440	..	..	..	?310·7	?313·5	3rd	292·8	289·5	26th	?301·8	*?300·2*	−1·5	34	— 19
843	Malakal (Kodok)	9 35	31 37	394	962·7	1005·9	— 0·6	311·4	315·9	1st	296·1	288·0	18th	303·8	*?303·0*	+0·1	22	0
843*a*	Mongalla	5 11	31 47	439	959·2	1007·2	+ 1·0	?309·4	?314·5	1st	295·6	293·0	21, 22, 26	?302·5	*?301·4*	+1·2	101	— 5
844	Entebbe	0 5	32 29	1171	882·3	1007·8	— 1·1	299·1	304·7	3rd	291·5	289·2	22nd, 23rd	295·3	*294·9*	+0·7	225	— 23
851	Minicoy	8 17	72 49	2·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851*a*	Cochin	9 58	76 27	2·7	1010·4	1010·8	+ 0·4	305·3	306·7	3rd	298·2	295·7	23rd	301·8	*301·2*	−0·6	226	+100
852	Colombo Observatory	6 54	79 53

APRIL—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	302·6	305·0	28th	295·7	294·4	12th	299·2	*298·5*	—1·1	339	+175
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	0·0	301·0	302·6	6th	295·7	294·7	5th	298·4	*297·6*	—0·2	385	..
927	Turyassu	1 43	45 26	15·1	1008·9	1010·6	+ 0·5	303·0	305·5	27th	294·6	293·5	17th	298·8	*297·9*	—0·4	583	+149
928	Barra do Corda	5 30	45 16	81·0	1000·2	1009·5	— 1·0	304·4	311·6	1st	294·7	293·4	29th	299·6	*298·4*	+0·3	69	— 51
929	Quixeramobim	5 16	39 15	207	988·6	1011·9	+ 0·7	303·2	304·4	20th	296·3	295·0	6th	299·8	*299·4*	—0·5	105	..
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E13 13	59·3	..	1011·3	+ 0·7	302·1	304·4	5th	297·2	295·0	18th	299·7	299·2	+0·4	108	— 8
940	Brazzaville	4 17	15 16	320	‡974·2	‡1009·8	..	306·1	309·0	2nd, 6th	296·9	295·0	5th	301·5	*300·9*	+1·6	44	—171
943	Masaka	0 21	31 47	?1280	..	..	..	298·4	300·8	1st	289·9	288·6	2, 13, 22	294·2	*293·4*	+0·7	226	+ 57
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	298·0	300·8	1st, 6th	288·6	286·3	4th	293·3	..	..	139	— 29
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	296·9	299·7	2nd	..	..	..	..	..	..	212	+ 51
944*a*	Zanzibar	6 10	39 11	21·9	1011·7	1014·2	+ 0·5	301·9	303·6	10th	297·7	295·9	7th	299·8	*299·2*	—0·3	432	+196
945	Lamu	2 16	40 50	3·1	..	..	..	303·6	305·2	8th, 9th	299·1	296·9	13, 21, 23	301·3	*300·9*	+0·4	82	— 12
947	Seychelles, Port Office	4 37	55 27	4·6	1010·1	1010·6	0·0	302·7	303·6	12th, 19th	298·9	297·4	19th	300·8	*300·1*	+0·8	320	+134
957	Padang	0 56	100 22	6·7	..	1010·4	— 0·6	..	..	..	..	..	..	..	..	..	88	—280
958	Batavia	6 11	106 50	8·0	1009·3	1010·2	+ 0·9	303·0	304·5	23rd	296·8	295·2	20th	299·9	299·5	+0·1	103	—100
958*a*	Pontianak	0 1	109 20	2·6	..	1010·8	+ 1·0	..	..	..	..	..	..	..	..	..	176	—127
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	4	—117
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	105	..
962	Amboina	3 42	128 10	4·2	..	1010·1	+ 1·6	..	..	..	..	..	..	..	..	..	405	+119
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	422	+161
965	Daru	9 4	143 13	7·6	..	1010·5	+ 0·6	300·7	..	..	..	..	..	297·8	*297·4*	—2·3	103	—243
966	Port Moresby	9 29	147 9	39·0	..	1010·0	+ 0·7	302·1	..	..	297·1	..	..	299·6	*299·2*	—0·9	85	+ 7
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·6	1008·9	— 0·1	303·6	305·9	3rd	296·7	295·7	14th	300·1	*299·8*	—0·6	605	+359
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	..	..	303·4	304·1	14, 24, 30	298·3	296·9	8th	300·8	*300·1*	—0·1	12	—198

APRIL—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·0	+ 0·1	302·5	304·8	9th, 11th	297·2	295·6	14th	299·8	299·3	+0·3	433	+171
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·3	308·0	1st	295·0	289·7	29th, 30th	298·7	*298·4*	—0·1	378	+178
1021	Arequipa	16 22	71 33	2451	..	..	..	293·0	295·2	29th	283·4	281·9	25th	288·2	*287·8*	+0·7	21	+ 17
1022	Puerto de Arica	18 28	70 20	5	..	..	..	294·8	296·0	sev. dates	288·6	287·0	26th, 27th	291·7	..	..	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	730·7	..	..	288·3	293·8	24th	279·3	276·2	13th	283·8	*283·7*	..	28	— 17
1025	Corumba	18 59	57 39	116	999·8	1013·2	+ 2·1	302·0	306·0	4th	291·6	286·0	12th	296·8	*296·1*	—2·1	56	— 68
1026	Cuyaba	15 36	56 6	165	992·6	1011·3	+ 1·3	304·2	307·8	2nd	292·6	286·3	13th	298·4	*298·9*	—0·9	110	— 13
1027	Bello Horizonte	19 55	43 57	895	914·6	1013·5	— 0·4	299·8	302·6	5th	288·6	284·2	23rd	294·2	*293·2*	—0·1	65	— 51
1028	Caetite	14 3	42 37	897	915·3	1013·2	+ 0·2	300·7	304·8	12th	291·5	289·5	23rd	296·1	*296·9*	+1·5	11	+230
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·8	1012·1	— 0·7	301·6	303·6	12th	296·3	293·8	27th	299·0	*298·8*	+0·2	519	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	945·7	1011·4	+ 0·7	297·1	300·2	17th	290·1	288·6	7th	293·6	*293·5*	+1·8	108	+ 10
1039	Mossamedes	15 11	E12 9	12·5	..	..	..	300·7	304·1	19th	294·0	289·8	29th	297·3	*297·0*	..	25	..
1042	Gwelo	19 28	29 48	1417	863·4	1016·4	+ 0·5	297·6	300·8	17th	284·6	277·4	26th	291·1	..	—0·3	27	+ 11
1043	Salisbury Gaol, Rhodesia	17 48	31 5	1457	857·2	1013·9	— 1·2	298·6	300·8	1st, 2nd	285·0	281·0	27th	291·8	*290·6*	+0·1	16	— 6
1044	Zomba	15 23	35 18	955	908·7	1014·0	+ 0·6	297·8	301·3	5th, 24th	288·7	284·7	28th	293·3	*292·9*	—0·4	133	— 49
1045	Antananarivo	18 55	47 32	1400	865·5	1017·1	+ 0·9	296·7	299·1	6th	286·1	283·6	30th	291·4	*290·6*	—0·8	5	— 97
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·2	1012·7	+ 1·7	302·1	303·8	2nd	298·5	297·1	4th	300·3	*300·0*	—0·1	174	— 53
1057	Christmas Island	10 25	105 43	5·5	1008·5	1009·1	+ 1·1	305·1	306·3	..	297·2	296·3	..	301·2	*300·2*	+0·4	104	— 93
1061	Kupang	10 10	123 34	45·1	..	1010·7	+ 1·6	304·9	306·1	16th	294·5	292·2	10th	299·7	299·1	..	4	— 68
1061*a*	Derby	17 18	123 40	16·2	1011·5	1013·4	+ 2·1	307·4	309·8	1st	293·7	290·2	27th	300·6	..	—1·1	0	— 41
1062	Hall's Creek	18 13	127 46	374	972·0	1014·3	+ 2·0	304·7	306·3	16th	288·6	284·6	25th	296·7	*296·2*	—1·9	0	— 21
1063	Darwin	12 28	130 51	29·6	1006·9	1010·2	+ 1·0	306·7	308·4	3rd	296·4	294·2	9th	301·6	*300·4*	—0·3	38	— 6
1064	Daly Waters	16 16	133 23	211	986·5	1010·7	+ 0·2	304·3	305·8	4, 17, 20	290·9	286·9	8th	297·6	*297·1*	—2·4	3	+ 11
1065	Mein	13 13	142 47	122	994·6	1008·6	— 0·5	302·5	304·8	8th	292·7	288·1	24th	297·6	*297·0*	—1·6	91	— 26
1066	Georgetown, Queensland	18 22	143 32	302	977·9	1012·4	+ 0·5	303·3	305·2	10th	290·6	286·3	11th	296·9	..	—1·9	13	..
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1009·3	— 0·3	302·4	..	..	..	..	..	..	‡*300·0*	—0·6	664	+419
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	..	1010·7	— 1·3	302·9	304·4	17th	295·0	293·0	16th	298·9	*298·6*	0·0	686	+363
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

APRIL—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	298·2	303·0	5th, 11th	294·8	289·7	30th	296·5	*296·2*	—1·3	277	+ 81
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·6	1015·9	+ 0·2	289·8	293·0	4th, 23rd	285·0	283·6	18th	287·4	*287·6*	—0·1	3	+ 2
1123	Catamarca	20 12	70 11	9	1013·5	1015·6	+ 0·3	292·6	294·8	6th	286·6	285·2	sev. dates	289·6	*290·1*	—1·3	0	0
1124	Salta	24 46	65 28	1178	884·6	1014·0	+ 1·1	296·6	304·0	5th	284·9	279·5	9th	290·7	290·7	+0·7	5	— 13
1125	Goya	28 27	65 47	510	954·8	1012·7	+ 1·0	301·2	306·5	29th	285·7	278·6	27th	293·5	292·8	—0·7	5	— 26
1126	Asuncion	25 16	57 37	93	1005·2	1016·0	+ 2·6	305·7	313·0	30th	288·8	282·0	11th	297·2	294·9	—0·2	88	— 42
1127	Curityba	29 9	49 15	908	914·9	1016·6	+ 0·1	295·5	301·0	3rd	283·5	276·8	30th	289·5	*288·8*	—0·8	34	— 49
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·6	1015·8	+ 0·6	298·9	305·2	6th	293·3	290·8	12th	296·1	295·8	—0·6	38	— 70
1139	Windhoek	22 35	E17 5	1680	..	..	..	297·7	300·2	21st	287·2	283·4	24th	292·4	*292·4*	+0·4	14	— 26
1140																		
1141	Kimberley	28 42	24 47	1202	884·9	1017·1	+ 0·7	297·2	301·4	19th	283·8	274·7	24th	290·5	289·9	—0·3	38	+ 2
1141*a*	Johannesburg	26 11	28 4	1806	824·8	1017·6	+ 0·5	293·3	296·3	13th	282·8	277·4	24th	288·1	*287·8*	—0·3	18	— 26
1142	Pretoria (Brooklyn)	25 46	28 13	1400	865·1	1017·5	+ 1·0	296·2	299·7	6th	282·9	275·2	25th	289·6	*289·3*	—0·3	22	— 5
1142*a*	Bulawayo	20 9	28 35	1340	870·3	1016·0	+ 0·4	297·2	300·8	17th	284·8	278·0	27th	291·0	*290·3*	—0·9	2	— 14
1143	Durban	29 52	31 3	15·2	1017·8	1019·6	+ 0·8	298·0	301·3	5th	290·3	284·8	28th	294·2	*293·6*	—0·6	75	— 11
1144	Lourenço Marques	25 58	32 36	59	..	1018·0	+ 0·4	300·7	304·6	27th	290·8	284·0	26th	295·7	295·3	—0·5	22	— 25
1147	Mauritius	20 6	57 33	55·2	1008·2	1014·6	+ 0·6	300·2	301·9	10th	292·5	289·3	28th	296·3	296·0	—1·1	68	— 46
1159	Onslow	21 43	114 57	4·3	1012·8	1013·3	+ 1·4	307·8	311·1	17th	292·2	289·2	29th	300·0	..	+0·3	1	— 22
1160	Peak Hill	25 38	118 47	588	949·2	1014·8	+ 1·5	304·4	308·3	17th	290·4	286·9	7th	297·4	..	+1·0	0	— 31
1161	Nullagine	21 53	120 5	386	970·5	1014·2	+ 1·4	306·3	309·3	15th	287·7	284·1	30th	297·0	..	—1·2	0	— 22
1162	Laverton	28 40	122 23	466	965·6	1018·6	+ 1·1	302·6	310·1	18th	287·5	282·4	6th	295·1	*295·1*	+1·4	2	— 24
1163	Alice Springs	23 38	133 37	587	949·6	1016·4	+ 0·1	300·3	304·1	16th, 25th	282·8	278·6	28th	291·6	*291·8*	—1·5	0	— 19
1164	William Creek	28 55	136 21	76·2	1010·0	1018·9	+ 0·6	301·3	306·9	16th	284·7	280·8	23rd	293·0	*292·7*	+0·4	0	— 10
1164*a*	Boulia	22 55	139 38	146	997·0	1013·8	+ 0·5	303·3	308·7	17th	289·6	285·3	9th	296·4	*296·6*	0·0	27	+ 12
1165	Thargomindah	27 58	143 43	123	1001·9	1016·2	0·0	300·1	304·2	2nd	288·3	284·3	25th	294·2	*294·1*	—0·6	103	+ 82
1166	Mitchell	26 32	147 52	336	977·6	1015·9	..	300·8	303·7	22nd	285·8	278·6	11th	293·3	..	+1·0	0	— 37
1167	Rockhampton	23 24	150 30	11·3	1013·4	1014·7	— 0·8	301·6	306·9	7th	291·8	287·7	10th	296·7	*296·1*	0·0	31	— 29
1168	Brisbane	27 28	153 2	41·7	1012·8	1017·7	+ 0·1	298·6	302·8	7th	290·3	287·1	21st	294·4	*293·7*	+0·1	205	+114
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1018·1	1020·0	+ 2·7	296·4	299·1	22nd	290·4	287·4	12th	293·4	*293·0*	0·0	46	— 59

APRIL—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	1014·7	1015·9	— 3·3	293·7	297·0	17th	287·5	284·0	25th	290·6	*290·7*	+0·6	63	— 28
1221*a*	Punta Tumbes	36 37	73 6	120	1001·1	1015·6	— 0·8	288·8	293·0	30th	282·7	281·0	sev. dates	285·7	*285·8*	—0·6	68	+ 24
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·8	1014·7	— 1·2	291·4	298·3	30th	284·1	281·4	18th	287·7	*287·0*	—1·4	38	+ 27
1222*a*	Santiago	33 27	70 42	520	954·0	1014·4	— 1·1	296·3	301·2	21st	279·4	276·6	17th	287·9	*286·8*	+0·5	14	0
1223	Cordoba	31 25	64 12	423	966·2	1015·0	+ 0·6	298·5	306·2	..	283·7	278·1	..	291·1	290·8	+1·1	0	— 43
1224	Bahia Blanca	38 45	62 15	25	1013·2	1016·3	+ 2·3	296·3	304·0	28th	283·3	278·0	11th	289·8	289·8	+1·5	9	— 56
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1014·5	1017·2	+ 0·8	295·3	302·4	28th	284·4	277·3	25th	289·9	289·5	—0·3	110	+ 24
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1015·7	+ 0·5	294·7	300·7	3rd	288·0	283·5	26th	291·3	*291·0*	+0·2	106	— 9
1226*a*	Porto Alegre	30 2	W51 13	23·5	1014·7	1017·5	+ 1·7	298·3	304·5	29th	287·3	282·0	9th	292·8	292·0	—1·6	46	— 79
1239	Cape Town	33 56	E 18 29	12·2	..	1016·4	+ 0·1	296·5	307·4	18th	284·9	277·4	27th	290·7	*288·9*	+0·4	38	— 11
1240	Danger Point	34 37	19 18	27·7	1007·8	1011·1	..	292·7	298·6	8th	286·2	280·8	27th	289·4	..	..	35	— 6
1241	Riversdale	34 6	21 16	? 61	1005·4	1012·6	..	297·4	310·8	3rd	284·9	275·8	28th	291·2	..	..	56	+ 13
1242	East London	33 1	27 54	9·8	1016·2	1017·4	+ 0·5	295·7	304·1	22nd	286·8	280·8	28th, 29th	291·3	..	—0·5	123	+ 55
1259	Perth (Observatory)	31 57	115 51	60·0	1013·3	1020·4	+ 1·9	297·6	303·6	12th	286·9	282·4	20th	292·2	*292·0*	0·0	21	— 19
1260	Katanning	33 42	117 35	310	984·7	1020·3	+ 1·7	296·2	303·0	12th	283·0	276·9	21st	289·6	..	+0·3	6	— 24
1261	Coolgardie	30 57	121 10	423	970·6	1019·1	+ 0·7	299·7	308·4	18th	285·0	280·5	21st	292·3	*292·3*	+0·9	4	— 20
1262	Eucla	31 45	128 58	4·6	1019·1	1019·7	+ 0·9	297·2	310·3	30th	286·5	279·7	21st	291·8	*291·3*	0·0	8	— 20
1263	Streaky Bay	32 48	134 13	13·1	1019·2	1020·6	+ 0·7	297·1	303·0	14th, 29th	288·1	280·8	3rd	292·1	*290·5*	+0·4	7	— 19
1264	Adelaide	34 56	138 35	42·7	1015·7	1020·7	+ 0·9	296·4	302·9	29th	285·3	282·7	10th	290·9	290·1	+0·2	11	— 34
1265	Melbourne	37 49	144 58	35·1	1015·4	1019·6	+ 0·2	293·8	300·7	3rd, 4th	283·4	278·2	27th	288·6	*288·3*	+0·3	15	— 42
1266	Bourke	30 13	145 58	111	1007·1	1020·1	— 0·3	299·3	304·1	14, 16, 20	285·9	278·6	23rd	292·6	..	—0·7	87	+ 57
1267	Sydney	33 51	151 13	40·5	1013·8	1018·6	+ 0·1	296·1	301·9	15th	287·9	283·8	11th	292·0	*291·4*	+0·8	147	+ 6
1268	Lord Howe Island	31 20	159 0	4·6	1018·4	1018·9	— 0·1	297·0	298·6	2nd	290·2	283·6	21st	293·6	..	+0·3	46	— 99
1271	Auckland	36 50	174 50	38·1	..	1019·6	..	291·4	294·7	2nd	284·7	279·4	29th	288·1	..	—1·1	74	— 12
1272	Napier	39 32 S.	176 53 E.	21·3	..	1017·9	+ 1·0	291·3	295·8	2, 9, 10	280·4	272·7	22nd	285·8	..	—2·0	18	— 37

APRIL—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1009·0	..	..	..	..	..	..	..	..	..	..	62	— 21
1321	Isla Guafo	43 34	74 45	140	995·1	1011·9	— 2·2	289·9	291·0	14th	281·5	278·6	29th	283·7	*283·7*	+0·1	175	+ 67
1322	Punta Galera	40 1	73 44	40	1010·0	1014·8	— 1·2	287·5	289·0	sev. dates	282·2	280·0	5th	284·9	*285·6*	+0·2	352	+129
1323	Sarmiento	45 30	69 0	274	975·5	1006·6	..	290·8	300·8	15th	278·0	272·6	30th	284·4	283·8	+0·1	24	+ 12
1324	Punta Madryn	42 49	W64 58	14	1010·6	1012·3	..	293·9	303·7	27th	281·8	273·8	30th	287·9	287·7	+0·7	1	— 18
1365	Launceston	41 27	E147 10	10·1	1015·3	1016·5	+ 0·7	291·9	295·5	5th	281·0	274·7	18th	286·4	*285·6*	+0·7	33	— 20
1366	Hobart	42 53	147 20	53·9	1008·4	1015·0	+ 0·6	290·8	297·4	14th	281·8	277·4	6th, 9th	286·3	*285·5*	+0·5	36	— 12
1370	Invercargill	46 25	168 21	3·7	..	..	..	287·1	294·7	6th	277·3	271·9	15th	282·2	..	—1·3	103	— 8
1371	Dunedin	45 52	170 31	91·4	..	1016·6	+ 1·3	..	..	..	..	..	..	..	..	..	52	— 17
1371*a*	Christchurch	43 31	172 39	7·6	..	1016·1	+ 1·8	288·4	295·8	14th	279·1	272·6	15th	283·7	..	—1·2	52	+ 2
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1017·8	+ 0·4	289·7	293·8	9th	281·4	276·0	28th	285·5	..	—1·3	36	— 63
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL.

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	994·3	1001·0	— 0·8	282·1	285·0	9th	278·7	276·1	27th	280·4	*280·4*	+0·3	277	— 15
1422	Puerto de Punta Arenas	53 10	70 54	28	996·4	999·8	— 1·5	283·3	290·4	15th	277·9	274·8	24th	280·6	*280·9*	+1·3	26	— 14
1423	Punta Dungeness	52 24	68 26	5	1000·2	1000·8	— 0·3	284·8	289·2	15th	278·1	275·0	27th, 28th	281·5	*281·5*	+0·6	6	— 25
1424	Santa Cruz	50 11	68 21	12	1002·4	1003·8	— 1·5	287·7	294·4	9th	277·2	272·7	23rd	282·5	282·3	+0·5	11	— 4
1424*a*	Año Nuevo	54 39	64 8	50	992·4	998·5	+ 1·3	283·4	289·0	14th	277·9	274·2	28th, 30th	280·6	*279·9*	+1·0	19	— 50
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1000·2	1002·8	+ 1·5	283·3	286·9	15th	276·9	274·1	25th, 29th	280·1	280·7	+1·0	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	998·3	998·8	+ 2·3	278·4	286·5	1st	271·5	268·0	14th	274·9	*275·4*	—1·0	115	— 19
		S.	W.															

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44	44 39	7	992·4	993·3	+ 2·7	274·1	279·2	10th	268·8	264·3	12th	271·5	271·5	+1·5	22	— 23
		S.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
		m/s.		9h. 17h.	7h. 21h.		9h.	8h. 20h.	9h.
1	SE	1·4	..	SW 2 SW 4	S 1 S 2	..	Calm 0	NE 2 NE 1	Calm 0
2	Calm	3·2	..	NE 1 SW 2	SW 2 S 2	..	Calm 0	NE 3 NE 1	Calm 0
3	SSE	6·4	..	SW 2 SW 2	S 1 S 2	..	SE 2	NE 1 NE 1	Calm 0
4	SSE	7·6	..	W 1 SW 2	SE 2 SE 2	..	Calm 0	NE 2 NE 2	N 1
5	SSE	5·2	..	SW 2 SW 2	S 2 SE 1	..	NW 2	NE 1 NE 2	SW ..
6	SSE	6·1	..	Calm 0 SW 3	SE 1 S 2	..	Calm 0	NE 1 NE 1	S ..
7	SE	10·0	..	Calm 0 SW 2	S 1 S 2	..	Calm 0	NE 1 NE 1	E ..
8	SSE	11·5	..	SW 1 SW 2	S 2 S 2	..	Calm 0	NE 1 Calm 0	SE 2
9	SE	9·7	..	Calm 0 SW 3	S 1 S 2	..	Calm 0	NE 1 NE 1	Calm 0
10	SSE	8·0	..	E 1 SW 2	SW 2 S 2	..	Calm 0	NE 1 NE 1	Calm 0
11	SE	5·0	..	Calm 0 SW 3	SW 1 S 1	..	Calm 0	NE 2 NE 1	Calm 0
12	SE	4·2	..	W 1 SW 3	SW 1 SW 2	..	Calm 0	NNE 1 NE 1	NE 2
13	SE	3·1	..	SW 2 SW 3	SW 1 S 2	..	N 2	NE 1 NE 1	Calm 0
14	SE	4·7	..	SW 1 SW 1	S 1 SW 1	..	Calm 0	NE 1 NE 1	Calm 0
15	SE	4·6	..	SW 1 SW 2	SSE 1 S 2	..	Calm 0	NNE 1 NE 1	Calm 0
16	Calm	1·5	..	SW 2 SW 2	E 1 SE 2	..	Calm 0	NE 1 NE 1	Calm 0
17	Calm	0·8	..	SW 2 SW 2	S 1 S 1	..	Calm 0	NE 2 Calm 0	SE 3
18	Calm	0·8	..	SW 2 SW 1	S 1 SW 1	..	Calm 0	NE 2 Calm 0	NE 2
19	Calm	3·3	..	SW 1 SW 2	S 1 S 2	..	Calm 0	NNE 2 Calm 0	Calm 0
20	SSE	3·8	..	SW 1 SW 2	S 1 SE 1	..	Calm 0	NE 2 Calm 0	SE 4
21	SSE	5·5	..	SW 1 SW 3	W 2 SW 1	..	Calm 0	NE 1 Calm 0	Calm 0
22	SE	9·0	..	SW 3 SW 2	S 1 S 1	..	Calm 0	Calm 0 Calm 0	Calm 0
23	SE	6·9	..	SW 1 SW 1	SW 1 SE 1	..	NW 2	NE 2 NE 1	NE 2
24	SSE	6·9	..	Calm 0 SW 1	S 1 S 2	..	Calm 0	NE 1 NE 2	SE 2
25	SSE	6·2	..	Calm 0 SW 1	SSE 1 SW 2	..	Calm 0	NE 1 Calm 0	SE 2
26	SSE	6·2	..	NE 1 SW 2	SW 1 SE 1	..	Calm 0	Calm 0 Calm 0	SE 2
27	SSE	3·9	..	SW 2 SW 2	S 1 SE 1	..	Calm 0	NNE 1 NE 1	SE 2
28	SSE	3·0	..	NW 2 SW 3	N 1 SE 2	..	Calm 0	NE 2 Calm 0	SE 4
29	SSE	3·3	..	NE 2 SW 2	SE 1 S 2	..	Calm 0	NE 2 Calm 0	SE 3
30	SSE	4·9	..	Calm 0 SW 3	S 1 S 2	..	Calm 0	NE 1 Calm 0	NE 2
Mean	..	5·2	..	1·2 2·2	1·2 1·6	..	0·3	1·3 0·7	1·7
§Resultant	150° (77)	..	..	225° (72)	180° (81)	..	340° (6)	45° (75)	115° (34)
§Normal	138° (89)	6·6	‖78° (77)	277° (35)	250° (41)	81° (78)	125° (36)	‖100° (47)	91° (52)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 2608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1921.

‡‡ *White Sea.*—There was little ice on the 19th, but near the end of the month narrow strips of winter ice and brash were observed between Cape Sviatoj and Cape Kanin.

‡‡ *Barents Sea.*—The ice edge, more easterly than usual, followed the meridan 45° southwards to 70°N. whence it curved eastwards. The scattered winter ice between Cape Kanin and Kolgujev melted towards the end of the month and in 71°N. the ice was navigable to Gooseland. After the 9th the north of Beer Island became ice free as well as the south. The area covered was 1052 × 10^3 sq. km. as compared with a normal of 1155 × 10^3 sq. km.

‡‡ *Spitsbergen.*—Along the west coast the sea, King's Bay and, later in the month, Foreland Sound and Icefjord were free of ice though thin ice continued in Green Harbour and Advent Bay and pack ice in Bell Sound.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 6 days visible, 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—In the northern part the ice edge, consisting of close winter and old ice to 76°N. and of open and bay ice between 76°N. and 72°N., was more westerly than usual. At Angmagsalik there was ice everywhere but the land water was broad. The area covered was 1048 × 10^3 sq. km., as compared with a normal of 1157 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Two hundred and ten icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 591. The southmost occurred in 38°N. and the eastmost in 36°W. Heavy open and pack ice were observed in the Gulf of St. Lawrence, Cabot Strait and Belle Isle Strait.

‡‡ *Davis Strait and Baffin Bay.*—Towards the end of the month masses of "Storis," drifted round Cape Farewell to Nunarsuit, the edge, consisting of open ice, being met with in 58½°N. Several icebergs were observed outside the "Storis," the eastmost in 58°N. 35°W., which is unusual. Across Julianehaab Bight the ice was lying 60 miles offshore, with icebergs and scattered ice outside the edge. From Arsuk northward the coast was free of ice. The winter ice at Sukkertoppen and Jacobshavn broke up.

‡‡ *Isforholdene i de Arktiske Have*, 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1921 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MAY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	1022·0	..	269·2	275·2	14th, 15th	262·4	255·2	1st, 8th	265·8	..	—0·8	7	0
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1009·8	1012·2	— 3·8	275·1	281·8	27th	267·3	260·0	5th	271·2	*270·4*	+1·4	33	+ 19
125	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1011·7	1013·2	— 3·1	..	276·0	17th	264·4	255·8	4th	..	267·8	+0·1	28	+ 16
139	Björnöen	74 28	19 15	40·5	1003·7	1008·8	..	..	..	..	..	..	..	..	*272·4*	..	53	..
140	Gjesvaer	71 6	25 22	6·5	1007·4	1008·2	— 6·1	..	288·7	20th	275·9	270·6	4th	..	*278·4*	+2·7	46	+ 10
141	Mehavn	71 1	27 47	6·4	1007·6	1008·4	— 5·5	..	287·3	31st	274·8	270·1	2nd	..	*277·8*	+2·5	60	+ 19
142	Vardö	70 22	31 8	10·0	1007·8	1009·0	— 6·0	..	290·0	29th	275·5	270·4	4th	..	*277·9*	+3·2	18	— 19
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24	58 47	11·2	1010·7	1012·1	— 2·7	270·3	278·6	31st	265·5	256·2	1st	267·9	*267·8*	..	33	..
		N.	E.															

Between Latitude 70° N. and 60° N. **MAY—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1015·6	+ 4·8	277·7	284·7	31st	270·9	260·8	6th	274·3	*274·6*	—0·1	23	+ 3
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1016·2	+ 2·5	284·3	292·4	15th	272·6	265·8	7th	278·4	*279·3*	—1·4	38	+ 17
206	Rampart	65 30	150 15	122	..	..	..	284·9	292·4	15, 16, 17	272·9	264·1	7th	278·9	..	—1·2	4	— 8
207	Valdez	61 7	146 16	8·2	..	1015·2	+ 1·1	285·3	290·2	15, 25, 30	274·6	268·0	1st	280·0	*280·6*	+0·7	41	— 17
208	Eagle	64 46	141 12	254	..	1014·5	+ 3·8	286·3	295·2	16th	272·7	264·7	2nd	279·5	..	—0·6	11	— 10
209	Dawson	64 4	139 20	328	974·1	1013·6	+ 1·8	287·4	295·8	16th, 17th	273·6	265·8	2nd	280·5	..	—0·7	21	— 5
210	Carcross	60 11	134 34	662	..	..	..	284·5	290·8	17th	272·8	266·3	10th	278·7	..	+0·3	30	+ 19
211	Fort Good Hope	66 15	128 31	65·2	1010·1	1018·3	..	281·6	287·4	23rd, 29th	271·1	260·8	1st	276·3	..	..	26	+ 9
212	Fort Simpson	61 52	121 35	59·4	..	..	..	288·1	294·1	18th	274·6	268·6	1st	281·3	..	+2·3	191	+142
213	Hay River	60 51	115 57	161	996·6	1015·6	+ 1·8	284·9	298·0	19th	273·7	263·6	1st	279·3	..	+2·5	32	+ 17
225	Jacobshavn	69 13	51 2	12·6	1009·0	1010·6	— 3·6	276·8	282·9	27th	269·6	262·3	5th	273·2	*273·2*	+0·5	19	+ 5
226	Godthaab	64 11	51 43	9·0	1006·2	1007·3	— 4·5	278·8	283·4	8th	271·4	266·2	6th	275·1	*274·5*	+0·8	..	..
227	Ivigtut	61 12	48 10	5·0	1007·2	1007·8	— 4·0	281·2	286·2	22nd	274·1	266·0	15th	277·7	*277·2*	—0·3	44	— 47
229	Angmagsalik	65 37	37 33	31·7	1008·0	1012·0	— 3·2	278·8	283·8	2nd	270·1	264·4	8th	274·5	*273·4*	—0·4	13	— 53
231	Stykkisholm	65 5	22 46	20	1007·4	1009·8	— 3·8	279·3	283·0	21st	274·0	270·2	7th	276·7	*276·4*	—0·9	18	— 17
232	Vestmanno	63 26	20 15	7·7	1006·3	1007·2	— 5·5	282·4	285·7	14th, 18th	275·4	272·2	8th	278·9	*279·0*	—0·4	82	+ 2
233	Grimsey	66 33	17 58	22·0	..	..	..	275·9	280·6	31st	..	..	..	..	*274·0*	—0·7	..	..
233*a*	Akureyri	65 40	18 4	35	..	1009·6	— 5·1	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1007·2	1009·4	— 4·5	279·9	286·2	14th, 24th	273·8	269·0	8th	276·9	*276·2*	—1·0	95	+ 24
235	Thorshavn	62 3	6 45	26·3	1005·1	1008·3	— 6·1	281·2	288·0	1st	276·1	269·2	5th	278·7	*278·5*	—1·1	144	+ 59
236	Lerwick	60 9	W 1 11	40·9	1004·5	1010·1	— 3·6	282·8	287·4	21st	277·9	272·4	3rd	280·4	*280·5*	+0·1	65	+ 12
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·4	1011·9	— 2·2	285·2	289·7	25th	279·4	273·9	3rd	282·3	*282·1*	—0·2	211	+122
238	Aalesund	62 28	6 10	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
239	Trondhjem	63 26	10 25	39·5	1005·9	1011·0	— 2·9	285·8	292·3	17th	278·0	272·3	5th	281·9	*281·4*	+0·6	85	+ 47
240	Bodö	67 17	14 24	22·4	1006·4	1009·1	— 4·6	..	290·0	27th	277·1	271·8	4th	..	*279·8*	+1·0	135	+ 78
241	Haparanda	65 50	24 9	9·2	1009·8	1010·9	— 3·4	284·4	295·0	28th	276·1	270·0	4th	280·3	*280·0*	+3·0	42	+ 13
242	Helsingfors	60 10	24 57	11·7	1014·8	1016·3	+ 2·0	289·5	293·4	29th	281·0	275·8	5th	285·2	*285·2*	+3·9	34	— 11
242*a*	Kuopio	62 54	27 40	90·3	1002·7	1013·5	— 0·8	290·3	295·6	28th	280·0	274·0	6th	285·2	*285·8*	+5·6	28	— 13
243	Kola	68 53	33 1	6·7	1009·2	1010·0	— 4·8	283·9	297·9	29th	275·5	267·9	4th	279·7	*279·9*	+3·4	39	+ 16
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1013·0	1013·8	— 0·2	288·0	300·5	29th	278·3	269·9	1st	283·2	*283·0*	+5·0	92	+ 62
246	Mezen	65 50	44 16	14·9	1011·2	1013·0	— 0·7	286·3	300·2	29th	276·1	267·0	1st	281·2	*281·4*	+5·0	42	+ 18
247	Oust-Tsylma	65 25	52 18	? 68	1004·7	1013·1	— 0·4	284·5	298·6	29th	274·2	263·7	2nd	279·4	*279·4*	+4·0	41	..
248	Tcherdyn	60 24	56 31	?177	993·4	1014·8	+ 0·9	289·9	300·4	29th	278·6	267·3	2nd	284·2	*284·0*	+3·0	71	+ 23
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1007·5	1012·5	— 1·1	..	295·9	23rd	269·2	253·6	1st	..	*275·2*	—0·9	74	+ 41
252	Doudinka	69 23	86 4	? 20	1006·3	1008·9	— 1·7	..	273·6	23rd	260·1	248·6	5th	..	*263·7*	—4·3	6	— 7
253	Touroukhansk	65 47	87 57	? 45	1005·2	1010·9	— 1·8	..	277·5	23rd	263·4	244·2	1st	..	*268·4*	—3·4	10	— 16
254	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	?108	995·8	1009·1	— 1·4	..	292·9	31st	270·1	253·4	..	..	*274·4*	—2·6	29	+ 6
262	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	254·9	4th	..	*276·8*	—1·0	33	+ 16
263					..	..	..	..	..	..	..	..	..	..	..	..	..	..
271					..	..	..	..	..	..	..	..	..	..	..	..	..	..
272					..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

MAY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1014·5	+ 3·3	276·5	279·7	sev. dates	272·6	270·8	sev. dates	274·6	..	+0·2	11	− 30
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1013·9	+ 1·1	280·4	284·1	28th	275·2	270·8	4th	277·8	..	+0·7	153	+ 29
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	281·1	289·7	30th	272·4	266·3	7th	276·8	..	−1·1	3	− 43
306	Kodiak (Radio)	57 46	152 22	6·1	..	1014·5	+ 3·0	283·0	289·7	sev. dates	276·1	271·9	sev. dates	279·6	..	+0·8	46	− 81
309	Sitka	57 3	135 19	27·4	..	1016·2	+ 1·0	284·1	295·2	16th	276·3	271·9	7th	280·2	*280·4*	−1·0	139	+ 39
310	Prince Rupert	54 18	130 18	51·8	1012·7	1019·1	+ 3·9	284·7	297·4	16th	276·9	274·1	5, 8, 12	280·8	*280·7*	−1·0	79	+ 15
311	Barkerville	53 2	121 35	1274	867·2	1011·7	+ 0·1	285·2	291·9	18th, 19th	273·0	268·6	8th	279·1	*278·7*	−0·8	75	+ 15
312	Kamloops	50 42	120 29	385	970·7	1015·9	+ 0·2	295·8	304·7	31st	280·2	274·1	28th	288·0	*288·0*	+0·8	24	0
313	Calgary	51 2	114 2	1045	893·3	1012·3	+ 0·4	291·3	300·8	24th	274·7	269·1	1st	283·0	*282·3*	+0·6	19	− 43
314	Fort Chipewyan	58 42	111 10	218	987·8	1013·2	− 0·4	286·3	296·9	18th	275·5	269·1	14th	280·9	*281·8*	+0·9	42	+ 21
315	Prince Albert	53 10	105 38	442	962·3	1014·6	+ 2·7	290·8	299·7	24th	277·4	270·2	14th	284·1	*283·9*	+1·7	89	+ 50
316	Qu'Appelle	50 30	103 47	645	938·9	1014·1	+ 1·6	290·8	299·7	25th	277·4	267·4	15th	284·1	*283·8*	+1·2	72	+ 14
317	Minnedosa	50 15	99 50	515	955·5	1016·1	+ 2·7	290·8	299·1	25th	277·4	268·6	13th	284·1	*283·9*	+1·2	85	+ 40
318	Berens River	52 18	97 23	216	..	..	..	287·1	295·2	25th	273·9	264·1	11th	280·5	..	+1·4	37	− 18
318*a*	Port Nelson	57 4	92 36	14·9	1019·8	1021·7	+ 4·4	277·4	291·9	25th	268·0	250·8	1st	272·7	..	+0·3	7	0
319	Fort Hope	51 33	87 49	‡260	986·4	1018·6	..	287·7	299·7	21st	274·3	264·7	1st, 2nd	281·0	‡*281·2*	+1·2	56	+ 19
320	Moose Factory	51 14	80 30	9·1	..	..	..	?285·2	..	..	?271·9	..	..	?278·6	..	−0·2	33	− 24
321	Fort George	53 50	79 5	97·5	..	..	..	282·7	295·8	27th	272·3	268·0	13th	277·5	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	289·0	297·8	28th	274·9	260·8	3rd	281·9	..	+3·7	32	− 27
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	283·3	288·6	3rd	273·3	268·6	5th, 10th	278·3	..	+0·6	41	− 42
326	Belle Isle	51 53	55 23	133	..	..	..	276·6	285·2	30th Sea Temp.	271·0	266·9	5th, 15th	273·8	*273·7*	−0·6	38	− 27
333	53°—48°N. 20°—15°W.	††50 5	††17 36	§(91)	..	1017·0	..	..	..	284·9—0·2	..	..	..	..	284·9	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1013·0	1014·7	− 0·8	286·4	290·8	23rd	281·2	275·8	5th	283·8	283·8	−0·4	78	− 2
335	Aberdeen	57 10	W 2 6	26·8	1008·4	1011·7	− 3·1	287·1	295·2	25th	279·4	273·6	5th	283·3	283·2	+1·7	33	− 25
336	Greenwich	51 28	0 0	46·3	1009·2	1014·8	− 0·9	292·3	298·0	24th	279·6	274·1	5th	285·9	285·6	+0·8	32	− 12
337	Uccle	50 48	E 4 22	100	1002·7	1014·7	− 0·6	293·6	303·0	25th	281·4	272·7	4th	287·5	286·7	+1·4	19	− 43
338	De Bilt	52 6	5 11	3·0	1014·4	1014·8	− 0·2	292·8	302·8	26th	280·5	271·0	4th	286·7	286·4	+1·6	20	− 35
338*a*	Hamburg	53 33	9 58	40·3	1010·6	1015·4	+ 0·5	292·1	300·9	25th	283·0	274·8	6th	287·5	*287·2*	+2·3	59	+ 12
339	Copenhagen	55 41	12 36	5·0	1015·1	1015·7	+ 0·6	289·4	295·3	27th	282·5	276·8	6th	285·9	*286·1*	+2·4	27	+ 35
340	Potsdam	52 23	13 4	84·9	1005·2	1015·4	+ 0·3	294·3	302·5	26th	282·8	273·5	4th	288·5	288·0	+2·3	88	+ 22
340*a*	Uppsala	59 51	17 38	24	1011·5	1014·4	+ 0·6	292·3	301·1	26th	278·5	270·6	5th	285·4	285·9	+4·4	22	− 2
341	Warsaw	52 13	21 1	133	1000·4	1016·3	+ 2·2	294·7	302·4	31st	283·3	275·5	7th	289·0	288·9	+2·5	47	0
342	Dorpat (Jurjev)	58 23	26 43	74·5	1008·5	1017·5	+ 3·2	292·9	300·6	29th	280·2	273·9	6th	286·6	286·4	+3·5	44	
343	Petrograd	59 56	30 16	4·8	1016·2	1016·8	+ 2·6	292·2	298·2	28th	281·4	276·5	8th	286·8	*287·2*	+5·5	61	+ 19
344	Kiev	50 27	30 30	183	992·7	1014·2	− 0·3	295·6	303·5	28th	285·0	279·8	9th	290·3	*289·6*	+2·1	64	+ 10
344*a*	Moscow	55 50	37 33	167	998·0	1017·9	+ 2·5	295·3	302·0	23rd, 30th	281·1	273·7	15th	288·2	*288·8*	+3·7	36	− 13
345	Saratov	51 33	45 57	7122	1006·2	1020·6	+ 5·0	299·7	304·4	26th	286·2	278·7	16th	293·0	*292·6*	+4·7	2	− 33
346	Kazan	55 47	49 8	79·9	1011·0	1020·5	+ 5·6	298·4	306·4	31st	283·5	273·2	2nd	291·0	*290·6*	+4·8	4	− 33
347	Orenburg	51 45	55 6	109	1009·0	1021·9	+ 6·4	297·9	304·9	31st	281·8	273·7	3rd	289·8	*290·8*	+3·8	2	− 35
348	Perm	58 1	56 16	163	998·3	1017·8	+ 3·6	293·5	301·2	30th	280·3	269·5	2nd	286·9	*287·0*	+4·3	17	
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	983·2	1016·6	+ 1·5	292·6	301·2	30th	279·4	267·2	1st	286·0	*286·1*	+3·1	23	− 20
350	Tobolsk	58 12	68 14	108	1002·2	1015·4	+ 0·5	289·8	300·6	25th	276·4	265·9	1st	283·1	*282·4*	+0·8	19	− 20
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1001·1	1014·2	− 1·2	..	299·0	24th	276·1	266·1	3rd	..	*283·3*	−0·3	14	− 17
353	Barnaoul	53 20	83 48	162	996·8	1016·5	+ 0·1	288·1	299·9	25th	276·0	269·5	4th	282·0	*282·0*	−1·7	72	+ 40
354	Tomsk	56 30	84 58	122	998·6	1013·6	− 1·0	..	296·5	25th	274·8	268·3	18th	..	*278·7*	−1·7	52	+ 11
355	Minousinsk	53 43	91 41	249	985·1	1015·2	− 0·5	..	297·9	28th	276·3	268·7	9th	..	*281·6*	..	85	+ 53
356	Eniseisk	58 27	92 10	77·6	1002·2	1011·8	− 2·1	..	290·6	25th	271·7	264·1	2nd	..	*276·6*	−3·0	42	+ 10
357	Irkutsk	52 16	104 19	467	957·4	1013·1	− 1·0	287·4	298·7	29th	273·3	265·5	10th	280·4	*280·3*	−1·0	23	+ 9
358	Kirensk	57 47	108 7	263	977·5	1009·5	− 2·7	..	300·3	29th	272·7	262·4	9th	..	*278·3*	−1·8	36	..
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	962·3	1007·6	..	288·0	299·5	23rd	271·3	263·6	12th	279·6	*280·3*	..	31	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	989·9	1006·9	+ 0·5	291·1	302·6	24th	276·9	270·9	11th	284·0	*284·2*	+1·5	90	+ 48
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	1002·0	1012·8	+ 2·9	..	280·5	29th	275·2	271·5	1st	..	*276·3*	+1·0	6	− 57
369																		
371	Attu Island	52 56 N.	173 13 E.	4·9	..	1011·8	+ 1·7	280·5	287·4	4th	273·7	270·2	5th, 11th	277·1	..	..	138	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

MAY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·4	1015·9	− 0·5	288·0	295·2	30th	280·2	276·9	3rd	284·1	283·6	−0·3	37	+ 4
412	Portland, Oregon	45 32	122 41	46·6	1010·8	1016·2	− 0·7	292·2	299·7	29th	281·7	277·4	11th	286·9	*286·7*	−0·1	25	− 36
413	Macleod	49 44	113 24	953	..	..	..	290·8	301·3	25th	276·8	271·9	28th	283·8	*284·0*	+0·7	33	− 18
414	Helena	46 34	112 4	1253	871·4	1012·5	− 0·5	289·7	298·6	25th	278·1	270·2	1st	283·9	*283·5*	−0·6	42	− 14
414*a*	Salt Lake City	40 46	111 54	1329	863·1	1009·1	− 1·9	293·5	300·8	27th	282·6	276·3	7th	288·1	*288·0*	+0·4	50	− 2
415	Cheyenné	41 8	104 48	1856	811·3	1011·5	+ 0·7	289·4	296·9	27th	277·0	271·9	2nd	283·2	*283·2*	−0·4	61	− 1
416	North Platte	41 8	100 45	859	916·1	1014·2	+ 1·8	295·9	307·4	28th	282·3	274·1	3rd	289·1	*288·7*	+0·7	48	− 25
416*a*	Bismarck	46 47	100 38	511	958·2	1016·9	+ 3·3	291·9	304·1	21st	279·4	269·7	3rd	285·7	*285·6*	−0·3	69	+ 7
417	Winnipeg	49 53	97 7	232	988·7	1016·5	+ 2·3	292·4	302·4	27th	278·6	268·0	14th	285·5	*285·5*	+1·6	45	− 13
418	Duluth	46 47	92 6	345	976·2	1017·6	+ 2·9	288·6	303·6	21st	278·0	270·2	14th	283·3	*283·1*	+1·9	70	− 10
419	Port Arthur	48 27	89 12	196	993·9	1017·6	+ 2·4	289·1	299·7	21st	277·4	268·6	14th, 15th	283·3	*283·1*	+2·3	84	+ 31
420	Chicago	41 53	87 37	251	987·0	1016·9	+ 2·2	293·6	306·9	24th	285·4	276·9	2nd	289·5	*289·4*	+2·7	20	− 73
421	Toronto	43 40	79 24	116	1002·7	1016·6	+ 1·7	293·0	304·1	21st	281·9	274·1	16th, 17th	287·4	287·3	+2·9	48	+ 28
422	New York (Central Park)	40 47	73 58	47·4	1011·7	1016·4	− 1·3	294·8	304·7	22nd	283·7	279·1	5, 12, 17	289·2	288·6	−0·4	105	+ 23
423	St. John, N.B.	45 17	66 4	36·2	1011·5	1015·9	+ 2·1	288·6	299·1	22nd	278·0	271·9	6th	283·3	282·8	+1·6	46	− 48
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·9	1015·0	+ 3·0	283·0	289·7	30th	276·3	271·3	8th	279·7	*279·5*	+2·8	38	− 13
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1015·0	1015·9	+ 0·2	280·8	285·8	21st	274·1	269·1	9th	277·4	*278·0*	−2·3	80	− 9
425	Port aux Basques	47 35	59 10	9·1	1013·7	1014·8	+ 1·4	283·0	294·7	30th	275·8	271·3	6th, 12th	279·4	*279·3*	+1·6	58	− 35
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·8	1012·5	− 0·1	283·0	293·0	13, 14, 20	275·2	269·1	10th	279·1	*278·9*	+0·1	110	+ 20
430	50°—45°N. 35°—30°W.	††46 49	††32 51	§(79–80)	..	1017·5	..	..	..	Sea Temp. 286·6 +0·1	..	..	..	..	..	287·1	..	..
435	Madrid	40 24	3 41	667	937·5	1014·2	− 0·7	293·4	296·8	15th	282·7	277·5	3rd	288·1	*287·2*	0·0	83	+ 43
436	Nantes	47 15	W 1 34	36·5	1010·6	1015·0	− 0·4	291·7	299·2	24th	282·2	277·5	5th	287·0	286·9	+0·4	54	− 2
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·0	1015·0	− 0·5	292·8	301·0	25th	282·1	274·2	4th	287·5	287·4	+1·4	32	− 19
438	Marseille	43 18	5 23	75	..	1012·3	− 1·1	295·8	300·1	31st	284·7	279·2	7th	290·3	*289·6*	+0·5	59	+ 14
438*a*	Zürich	47 23	8 33	493	957·3	1014·6	− 1·1	294·4	300·0	26th	282·2	274·5	6th, 7th	288·3	287·3	+1·5	76	− 34
439	Rome	41 54	12 27	45·5	1008·2	1013·5	− 0·6	297·0	302·4	22nd	286·8	281·2	7th	291·9	*290·9*	+1·2	96	+ 38
440	Vienna	48 15	16 22	203	990·4	1014·3	+ 0·4	293·1	298·1	20th	284·0	278·1	7th	288·5	288·7	+1·2	47	− 23
440*a*	Budapest	47 31	19 2	130	998·3	1013·6	− 0·3	297·2	302·8	20th	284·3	278·7	6th	290·7	*290·6*	+2·4	68	− 4
441	Sofia	42 42	23 20	550	950·4	1013·6	+ 1·2	295·6	300·3	21st	283·4	278·2	4th	289·5	*289·1*	+1·0	83	− 4
442	Bucharest	44 25	26 6	82	1003·5	1013·1	− 0·4	299·0	303·9	29th	285·4	280·0	4th	292·2	291·5	+1·6	109	+ 48
443	Odessa (University)	46 29	30 46	65·3	1005·9	1013·6	− 0·8	297·1	302·7	22nd, 30th	287·1	282·0	1st	292·1	*291·6*	+3·1	12	− 19
444	Kharkov (University)	50 0	36 14	140	998·4	1014·7	− 1·0	299·5	306·5	31st	286·1	278·6	1st	292·8	*292·6*	+1·5	20	− 24
444*a*	Novorossiisk	44 44	37 49	37·1	1009·5	1013·9	− 0·9	294·2	302·0	31st	286·4	279·6	3rd	290·3	*289·8*	+1·5	11	− 31
445	Tiflis	41 43	44 48	404	969·5	1015·9	+ 0·7	298·5	303·1	27th	285·6	280·3	10th	292·1	292·1	+1·6	33	− 46
446	Astrakhan	46 21	48 2	— 20	1020·8	1018·4	+ 3·3	300·8	306·0	27th	288·8	282·0	1st	294·8	*293·7*	+2·8	0	− 18
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1020·8	1018·1	+ 2·8	299·1	305·1	26th	289·1	282·0	3rd	294·1	*294·1*	+3·8	0	− 15
448	Krasnovodsk	40 0	52 59	— 5·9	1016·2	1015·5	+ 1·1	300·5	306·0	29th	292·4	284·7	10th	296·4	*295·6*	+2·2	..	..
449	Kasalinsk	45 46	62 7	67	1012·6	1020·6	+ 5·8	..	..	..	284·0	279·8	3rd, 22nd	..	*291·3*	+1·5	0	− 10
450	Tachkent	41 20	69 18	478	959·5	1014·6	+ 1·9	297·3	304·0	28th	284·0	280·6	7th, 9th	290·7	*290·3*	−2·8	39	+ 6
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	290·5	299·0	28th	281·5	276·2	23rd	286·0	*285·6*	..	93	..
461	Moukden	41 48	123 23	43·8	1004·1	1009·3	+ 0·5	295·9	305·7	28th	283·0	276·2	2nd, 12th	289·5	289·1	+0·7	87	+ 26
462	Joshin	40 40	129 11	31·9	1008·2	1012·1	+ 2·6	287·5	293·3	27th	280·6	275·8	7th	284·1	283·6	−0·5	71	+ 10
463	Yuki	42 20	130 24	65·6	1003·6	1011·6	+ 2·2	286·4	298·0	28th	278·7	275·4	3rd	282·5	282·1	−0·8	59	− 12
464	Vladivostok	43 7	131 55	128	996·6	1012·2	+ 1·9	285·0	291·6	28th	278·6	274·5	5th, 6th	281·8	281·1	−1·5	53	+ 3
465	Ochiai	47 20	142 46	6·6	1011·0	1011·8	+ 0·9	285·9	295·9	25th	274·2	269·9	6th	280·1	279·8	+1·1	153	+ 92
466	Nemuro	43 20	145 35	26·7	1008·4	1011·7	+ 0·2	283·1	292·5	9th	276·1	272·9	2nd	279·6	279·3	−0·2	144	+ 50
466*a*	Syana	45 14 N.	147 53 E.	39·3	1007·2	1012·1	+ 0·7	282·3	291·5	27th	274·3	268·7	2nd	278·3	278·3	−0·1	96	+ 16
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N. MAY—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1009·3	1015·2	− 0·7	288·8	294·7	11th	282·0	279·7	1st	285·4	*285·0*	−1·1	13	− 7
512	San Luis Obispo	35 18	120 39	61·3	1008·4	1015·2	− 0·8	291·8	303·0	12th	281·1	276·3	4th	286·4	*285·0*	−1·6	34	+ 20
513	San Diego	32 43	117 10	26·5	1011·5	1014·5	+ 0·2	290·1	291·3	12th	285·3	282·4	8th	287·7	*287·4*	−1·6	65	+ 57
514	Modena	37 48	113 54	1670	829·6	1009·1	− 0·9	291·7	298·6	27th	276·6	271·3	7th	284·1	*283·6*	−0·7	32	+ 11
515	Santa Fé	35 41	105 57	2138	786·4	1009·1	+ 0·3	292·7	298·6	30th	279·9	271·9	8th	286·3	*286·3*	−0·4	60	+ 33
516	Denver	39 45	105 0	1613	835·4	1011·2	+ 0·6	293·4	301·3	21st	280·9	276·3	1st	287·2	287·0	+0·3	15	− 50
517	Abilene	32 23	99 40	530	952·9	1013·2	+ 1·8	302·4	308·6	31st	289·7	282·4	3rd	296·1	*295·5*	+0·3	37	− 57
518	Saint Louis	38 38	90 12	173	996·0	1016·2	+ 1·9	297·0	306·3	24th	288·6	277·4	3rd	293·3	*293·2*	+1·1	109	0
519	Mobile	30 41	88 2	17·4	1013·7	1015·9	+ 0·6	300·3	308·6	31st	290·4	279·7	4th	295·4	*294·9*	−1·2	78	− 31
520	Nashville	36 10	86 47	166	997·4	1016·9	+ 1·3	298·7	305·8	23rd	287·8	278·0	3rd	293·2	*293·3*	−0·1	29	− 65
521	Charleston	32 47	79 56	14·6	1013·6	1015·2	− 1·0	298·3	309·1	29th	290·4	283·0	4th	294·4	*294·5*	−1·0	150	+ 67
522	Washington	38 54	77 3	34·1	1011·7	1015·9	+ 0·2	295·1	304·1	23rd	284·6	279·7	2nd	289·8	*289·8*	−1·1	148	+ 56
523	Bermuda	32 17	64 46	46·0	1011·7	1017·1	− 0·8	297·4	299·7	23rd	290·8	289·1	2nd	294·1	*293·7*	−0·6	205	+ 92
524	Santa Cruz (Flores)	39 27	31 9	28	1025·1	1028·3	+ 6·8	293·5	296·6	31st	288·1	284·7	8th	290·8	*290·8*	+1·0	22	− 83
530	Horta	38 32	28 38	65	1020·5	1027·8	+ 6·4	293·2	296·5	20th, 24th	288·0	284·8	8th	290·6	290·2	+0·3	31	− 53
531	Ponta Delgada	37 44	25 40	22	1024·9	1026·7	+ 5·6	292·9	295·0	11th, 12th	288·3	285·9	7th, 8th	290·6	290·5	+1·0	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	42	− 47
532*a*	Madeira (Funchal)	32 37	16 54	25	‡1019·0	‡1022·0	+ 3·1	293·1	294·8	7th	288·2	286·5	1st, 9th	290·6	*290·7*	+0·2	0	− 28
533	Lisbon	38 43	9 9	95	1004·4	1015·6	− 0·3	293·8	298·5	14th	286·2	283·9	10th	290·0	*289·5*	0·0	7	− 40
534	Melilla	35 18	2 59	8	1013·8	1014·7	− 2·1	296·1	299·4	5th	287·0	285·0	17th	291·6	*292·9*	−0·4	75	+ 44
535	Gibraltar	36 6	5 21	16·2	1012·8	1014·8	− 1·5	295·0	298·6	31st	287·3	285·2	18th	291·2	*290·8*	−0·4	35	− 9
535*a*	Colomb-Béchar	31 6 N.	4 6 W.	786	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536																		
536*a*																		
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 10°.
†† Mean latitude and longitude of the observations. § Number of observations.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1010·5	1013·2	— 1·9	294·8	299·0	25th	286·2	280·0	3rd	290·5	..	—0·6	69	+ 29
538	Algiers (Bouzaréah)	36 48	3 2	342	973·0	1012·0	— 3·0	292·6	299·3	20th	286·4	283·0	1st	289·5	288·9	—0·2	32	+ 13
539	Tunis	36 48	10 10	21	1010·2	1012·7	..	297·1	302·0	22nd	287·9	280·5	2nd	292·5	*291·7*	+0·7	25	+ 4
539*a*	Malta	35 54	14 31	56·4	..	1013·1	— 0·8	294·4	298·0	16th	288·8	283·6	6th, 10th	291·6	*290·7*	—0·3	14	— 7
540	Riposto	37 41	15 14	14·2	..	1015·9	— 0·5	294·7	298·4	25th	289·0	285·4	8th	291·9	*291·1*	0·0	18	+ 5
541	Athens	37 58	23 43	107	999·9	1012·4	— 1·0	298·5	303·3	22nd	289·4	283·4	9th	293·9	293·5	+0·9	46	+ 25
542	Alexandria	31 12	29 53	32·0	1007·8	1011·5	— 1·9	299·7	312·1	4th	290·6	286·9	1st	295·1	*294·8*	+0·8	9	+ 5
543*b*	Nicosia (P.W.D.)	35 9	33 22	159	991·9	1010·0	— 1·3	300·7	304·7	18th	286·4	281·3	2nd	293·6	..	—0·2	63	+ 33
544	Beirut	33 54	35 28	33·7	..	1010·3	— 2·5	297·9	305·2	29th	291·3	286·8	1st	294·6	*294·3*	+0·1	4	— 17
545	Baghdad	33 21	44 28	38·1	1004·3	1008·9	— 0·9	306·3	307·4	30th	293·2	287·1	6th	299·7	*297·5*	—0·5	29	+ 24
546	Lenkoran	38 46	48 51	—20·0	1018·6	1016·2	+ 1·8	..	300·0	29th	286·7	281·9	10th	..	*292·5*	+1·3	9	+ 5
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	298·2	307·9	28th	282·2	278·0	6th, 11th	290·2	..	—2·1	37	+ 5
549	Seistan	31 0	61 30	?	..	..	..	305·7	313·4	29th	291·3	284·2	5th	298·5	..	..	0	..
550	Quetta	30 11	67 3	1677	831·2	..	— 0·5	301·5	307·2	29th	283·2	277·3	7th	292·3	*292·4*	—0·5	0	— 17
551	Peshawar	34 2	71 37	339	963·5	1000·7	— 3·7	314·9	318·9	29th	296·3	290·1	8th	305·6	*305·4*	+3·7	0	— 21
551*a*	Lahore	31 34	74 20	214	975·4	998·6	— 3·6	316·3	319·4	17th	298·3	293·6	8th	307·3	*307·2*	+2·6	4	— 62
552	Simla	31 7	77 8	2205	779·3	..	— 0·8	298·8	301·3	26th, 27th	290·8	284·8	31st	294·8	*294·9*	+3·1	6	+ 14
552*a*	Leh	34 10	77 42	3503	667·4	..	— 0·2	290·8	295·2	20th	276·7	274·0	1st	283·7	*283·4*	+0·5	19	..
559	Hankow	30 35	114 17	37·0	1005·1	1009·5	— 2·0	299·3	304·5	19th	291·6	288·8	14th	295·5	*295·0*	+0·2	160	+ 57
560	Tientsin	39 10	117 10	5·0	1009·3	1009·8	+ 0·2	299·0	306·8	24th, 27th	286·1	281·1	12th	292·5	*292·1*	—0·4	35	+ 6
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1010·0	— 1·1	296·9	303·5	28th	287·8	282·4	12th	292·3	291·5	—0·1	130	+ 40
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1003·4	1011·5	— 0·1	293·2	301·0	30th	284·1	281·0	13th	288·7	287·9	+0·5	59	+ 17
562*a*	Nagasaki	32 44	129 52	133	995·1	1010·7	— 1·3	295·4	299·5	4th	286·9	284·2	15th	291·1	290·6	—0·2	186	+ 37
563	Kyoto	35 1	135 44	42·9	1005·8	1011·0	— 0·8	296·5	301·1	4th	284·2	278·4	16th	290·3	289·8	+0·3	176	+110
564	Tokyo	35 41	139 45	21·3	1008·3	1010·8	— 1·3	293·7	298·7	19th	285·7	281·3	17th	289·7	289·4	—0·1	269	+ 85
565	Kanayama	37 53	140 46	24·6	1008·5	1011·4	— 0·4	292·2	298·3	9th	282·0	275·2	4th	287·1	286·7	—0·4	90	— 24
566	Miyako	39 38 N.	141 59 E.	30·4	1007·5	1011·2	— 0·4	290·9	299·0	19th	279·7	273·4	16th	285·3	285·0	—0·4	100	— 21

MAY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1015·2	— 3·3	297·9	300·8	24th	290·8	286·3	6th	294·4	*293·9*	..	163	..
605	Honolulu	21 19	157 52	11·6	1014·8	1016·1	— 1·3	300·1	301·3	..	294·6	293·0	..	297·3	*297·3*	+0·5	9	— 39
614	La Paz	24 10	110 20	12	1010·2	1011·6	..	306·8	312·8	30th	288·6	285·0	14th, 19th	297·7	..	..	0	..
615	Chihuahua	28 38	106 4	1423	857·6	1008·6	..	301·5	306·0	31st	286·7	282·2	10th	294·1	*294·0*	..	9	..
616	Leon	21 7	101 41	1809	819·5	1004·3	— 0·4	304·7	305·5	20th	286·9	283·1	17th	295·8	*296·3*	+0·5	6	— 24
616*a*	Monterry	25 40	100 18	528	952·5	1011·3	..	303·6	310·0	9th	294·0	285·6	3rd	298·8	*297·6*	..	17	— 45
617	Tulancingo	20 5	98 22	2180	792·3	..	..	296·0	300·0	..	283·2	278·0	..	289·6	289·1	—2·1	13	— 70
618	Galveston	29 18	94 50	16·5	1014·0	1015·9	+ 1·8	299·1	304·1	31st	294·4	289·1	3rd	296·8	*296·6*	—0·5	52	— 73
618*a*	New Orleans	29 57	90 4	16·2	..	1015·9	+ 1·0	300·9	308·6	31st	292·1	284·1	5th	296·5	*296·4*	—0·3	41	— 78
619	Merida, Yuc.	20 58	89 38	22	1010·4	1012·9	..	304·2	308·8	11th	293·3	291·0	sev. dates	298·8	*298·1*	..	90	..
620	Havana	23 8	82 21	24·3	..	1014·7	+ 0·3	302·0	306·0	11th	294·5	290·6	8th	298·3	*297·5*	—1·0	210	+ 90
620*a*	Key West	24 33	81 48	6·7	1013·9	1014·5	— 0·5	301·3	303·6	31st	296·0	291·9	8th	298·7	*298·3*	—0·8	31	— 50
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	302·6	..	..	296·3	..	..	299·4	*299·3*	+0·8	122	— 17
622	Watling Island	24 6	74 26	33·5	1012·3	1016·2	+ 0·3	..	303·0	30th	..	294·1	3rd	..	*298·7*	..	..	..
633	Izaña	28 19	16 30	2367	766·4	..	..	283·8	289·6	13th	274·8	268·8	17th	279·3	*279·0*	—2·7	1	+ 12
634	La Laguna	28 28	W16 20	547	955·0	1018·6	+ 2·3	291·0	293·4	14th	284·8	283·4	20th	287·9	*287·4*	—1·5	26	..
641	Siwa	29 12	E 25 29	—23	1013·1	1010·4	..	306·8	312·7	4th	291·0	285·1	7th	308·9	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	996·7	1009·9	— 2·0	304·2	314·6	31st	290·0	286·1	11th	297·1	*297·1*	—0·2	2	+ 1
643*a*	Aswan	24 2	32 53	99·6	996·3	1007·4	— 2·2	311·7	319·9	31st	294·9	292·0	sev. dates	303·3	*303·0*	+0·6	..	..
644	Tor	28 14	33 37	1·9	1007·9	1008·2	— 1·6	‡304·0	‡313·1	5th	?292·6	?287·9	1st, 2nd	?298·3	..	..	0	..
647	Bushire	28 59	50 53	4·3	1007·2	1007·8	— 0·2	303·7	309·5	9th	296·9	290·8	5th	300·3	*299·7*	—0·7	14	+ 13
648	Jask	25 44	57 47	4·0	1004·4	1004·9	— 1·5	307·4	312·6	31st	295·6	291·1	8th	301·5	*300·9*	—1·2	0	..
649	Karachi	24 53	66 57	4·0	1004·0	1004·5	— 1·3	304·4	310·6	12th	298·9	296·2	7th	301·7	*301·1*	0·0	0	— 1
650	Jacobabad	28 17	68 29	56·7	994·3	1000·4	— 2·1	316·4	320·6	29th	299·8	294·0	8th	308·1	*307·7*	0·0	0	— 1
651	Jaipur	26 56	75 52	436	955·0	1002·0	— 1·7	315·7	318·0	4th	298·7	293·9	9th	307·2	*306·7*	+0·6	0	— 15
652	Nagpur	21 8	79 5	310	968·9	1002·1	— 1·7	317·6	318·9	4th	303·9	300·9	12th	310·7	*310·1*	+2·4	0	— 15
653	Allahabad	25 25	81 51	94·1	990·4	1000·2	— 2·4	317·9	319·6	27th	301·7	295·8	11th	309·8	*309·4*	+2·7	0	— 20
653*a*	Darjeeling	27 3	88 18	2266	773·1	..	— 1·7	292·8	294·3	24th	286·1	283·9	4th	289·4	*289·5*	+2·0	197	— 7
654	Calcutta	22 36	88 23	6·4	1001·3	1002·1	— 2·9	309·2	311·7	25th	300·4	295·0	5th	304·8	*304·6*	+1·8	76	— 7
655	Gauhati	26 8	91 41	59·7	998·6	1005·3	— 2·4	303·8	307·3	12th	296·2	292·4	3rd	300·0	*298·9*	+0·4	233	— 22
655*m*	Cherrapunji	25 15	91 42	1314	864·6	..	— 1·9	295·5	298·0	12th	289·9	287·1	3rd	292·7	*292·1*	+0·7	3052	+1945
655*a*	Akyab	20 11	92 56	6·1	1003·9	1004·6	— 2·8	305·6	308·5	12th	298·2	293·5	17th	301·9	*302·2*	—0·2	277	— 107
656	Mandalay	21 59	96 0	76·2	996·6	1005·1	— 2·0	312·3	316·8	3rd	300·4	296·8	29th	306·4	*306·1*	+1·6	46	— 153
656*a*	Tengyueh	25 2	98 33	1625	832·7	1003·2	— 0·2	296·7	300·8	9th	287·1	280·8	4th	291·9	*291·4*	+0·6	109	— 53
657	Phu Lien	20 48	106 38	11·3	991·7	1005·2	— 2·8	303·9	308·0	16th	296·8	294·8	27th	300·4	299·5	+0·9	267	+ 13
658	Moncay	21 31	107 51	9	1004·0	1005·1	— 2·7	303·1	305·6	22nd	296·8	294·9	18th	300·0	*299·9*	+0·4	399	+ 56
659	Hongkong	22 18	114 10	33·2	..	1007·3	— 2·1	300·4	303·4	4th	296·4	294·0	28th	298·4	298·1	+0·2	858	+ 353
660	Amoy	24 27	118 4	ca.3	1008·2	1008·5	— 2·2	299·0	301·9	11, 12, 13	293·1	288·6	18, 22, 24	296·1	*295·8*	—0·3	293	+ 113
661	Taihoku, Formosa	25 2	121 31	9·3	1007·8	1009·0	— 1·4	300·2	305·9	11th	293·3	289·4	28th	296·7	296·4	—0·5	383	+ 154
661*a*	Basco	20 28	121 59	18·7	1004·7	1007·1	— 1·5	304·7	307·0	18th	297·2	295·5	7th	300·9	*301·0*	+0·7	145	— 100
662	Naha	26 13	127 41	10·5	1008·3	1009·5	— 1·6	300·0	303·3	11th	293·5	289·9	25th	296·8	296·5	+0·4	300	+ 49
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1011·1	1011·5	— 1·5	298·6	302·3	14th	292·6	287·9	26th	295·6	295·3	—0·4	360	+ 155
		°	°	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ For Cairo, *see* No. 643.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·4	1012·1	..	302·8	304·6	28th	294·6	292·0	23rd	298·7	*297·8*	..	0	..
716	Morelia	19 42	101 7	1923	808·6	1005·5	..	298·5	300·4	24th	290·2	287·2	17th	294·3	*293·6*	..	12	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·3	..	— 0·2	300·5	303·2	8th	282·5	279·0	22nd	291·5	290·5	+0·1	32	— 19
718	Salina Cruz	16 12	95 12	56	1004·8	1011·2	..	304·6	308·3	20th	297·4	294·4	30th	301·0	*300·5*	..	197	..
719	San Salvador	13 42	89 13	682	936·0	1011·3	+ 1·5	304·7	307·4	16th	291·2	287·6	4th	297·9	*296·6*	—0·7	202	+ 33
720	Belize	17 29	88 12	5·2	1011·8	1012·4	+ 0·8	..	..	..	295·8	292·4	23rd	..	‡*299·3*	..	221	+ 75
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·6	+ 0·2	302·3	304·3	sev. dates	294·7	292·2	8th	298·5	*298·7*	—0·6	203	+ 46
722	Port au Prince	18 33	72 20	37·4	1009·3	1013·6	— 0·1	304·0	306·9	15th	295·0	293·4	23rd	299·5	*298·9*	—0·6	336	+ 92
723	Caracas	10 30	66 55	1042	899·2	1013·6	+ 0·6	299·5	302·9	4th	288·0	284·0	9th	293·8	*292·3*	—1·7	59	— 12
724	Montserrat	16 41	62 9	39·6	1009·8	1014·3	— 0·6	304·3	308·6	15th	295·5	293·6	1st, 19th	299·9	*299·3*	—0·3	107	+ 8
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡994·4	‡1012·2	— 0·6	302·3	304·1	24th	296·2	294·7	3rd	299·3	*298·9*	—0·1	83	— 34
725	Barbados	13 8	59 36	55·2	..	1013·5	— 0·4	302·9	304·1	25th	295·7	292·8	2nd	299·3	*299·4*	0·0	10	— 58
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·8	1015·1	+ 0·5	297·6	300·0	30th	..	..	..	..	*296·0*	+0·4	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	? 40	1009·4	1014·0	— 0·7	298·9	301·2	5th, 6th	293·6	292·4	14th	296·3	*296·4*	—0·7	0	0
733	Bathurst	13 27	16 36	1·8	1013·8	1014·0	+ 0·6	302·7	308·0	26th	293·3	289·1	19th	298·0	*297·8*	+0·1	0	— 4
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	313·7	317·4	7th	296·7	293·0	15th	305·2	..	0·0	19	+ 7
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	10	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	309·7	314·1	2nd	298·3	294·1	10, 11, 12	304·0	*303·7*	—1·2	154	+104
738	Kaduna Capital	10 32	7 25	637	943·9	1014·4	+ 0·7	304·2	309·1	12th	294·2	291·9	9, 29, 30	299·2	*298·8*	—0·2	148	+ 17
739	Hadeija	12 40	10 5	?	..	..	..	315·4	319·1	5th	295·5	292·4	10th, 30th	305·4	*305·1*	+0·2	8	— 30
740	Maiduguri	11 47	13 11	361	..	..	..	313·1	317·4	27th	297·7	294·1	3rd	305·4	*305·1*	—0·5	70	+ 42
741	El Fasher	13 32	25 18	730	..	..	..	..	..	..	292·9	288·0	14th	..	*302·4*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	312·9	315·5	23rd	295·7	289·6	18th	304·3	*304·9*	+2·0	7	— 4
743*a*	Khartoum	15 37	32 33	390	962·4	1004·2	— 2·3	313·9	317·3	7th	297·5	292·3	13th	305·7	*307·2*	+0·6	0	— 3
744	Port Sudan	19 37	37 13	5·5	1007·5	1008·2	— 0·3	307·1	312·1	29th	297·2	294·1	4th, 5th	302·2	*301·6*	—0·3	1	0
745	Berbera, Somaliland	10 22	45 2	9·5	1006·5	1007·6	— 1·5	309·7	315·2	26th, 27th	299·9	298·6	3rd, 4th	304·8	*304·9*	+0·4	0	— 8
746	Aden	12 45	45 3	28·7	1004·9	1008·1	— 1·1	307·4	310·1	11th	300·6	297·6	2nd	304·0	*303·3*	+0·4	0	— 3
751	Bombay	18 54	72 49	11·3	1006·8	1008·1	— 1·4	306·6	307·4	13th	300·5	299·3	9th	303·6	302·8	+0·7	0	— 16
752*a*	Kodaikanal	10 14	77 28	2343	770·3	..	— 0·8	295·7	297·7	10th	285·9	283·2	1st	290·8	*289·7*	+1·1	111	— 42
753	Bangalore	12 59	77 38	920	908·0	1006·9	— 1·0	307·7	310·2	20th	294·0	291·4	30th	300·8	*299·8*	+1·0	83	— 23
754	Madras	13 4	80 14	6·7	1003·6	1004·4	— 2·6	313·0	317·0	26th	301·4	297·8	1st	307·2	*306·7*	+2·2	0	— 26
755	Vizagapatam	17 42	83 19	11·6	1001·6	1002·9	— 2·9	307·8	315·7	25th	302·1	299·7	6th	304·9	*304·3*	..	3	— 51
756	Port Blair	11 40	92 40	18·0	1004·6	1006·6	— 2·2	304·3	307·7	1st, 4th	298·5	295·1	24th	301·4	*300·8*	—0·3	351	— 51
757	Rangoon	16 46	95 48	5·5	1006·7	1007·3	— 1·1	305·8	311·3	3rd	297·8	294·9	24th	301·8	*300·5*	—0·4	393	+ 83
758	Saigon	10 47	106 42	11	1006·6	1007·8	— 0·1	305·8	308·0	3rd	297·2	295·2	13th	301·5	*300·9*	—0·7	220	+ 17
759	Nhatrang	12 15	109 12	3·6	1006·2	1006·6	— 1·2	305·6	306·6	13th	297·1	295·8	9th	301·4	*300·8*	—0·3	21	— 43
760	Bolinao	16 23	119 53	7·1	1005·3	1006·2	— 1·4	307·6	311·6	9th	298·1	296·2	21st	302·9	*301·9*	+0·1	..	..
761*a*	Vigan	17 34	120 23	12·2	..	1007·6	— 1·0	306·7	308·2	14th	297·7	295·8	18th	302·2	301·9	+0·2	295	+137
762	Manila	14 35	120 59	14·2	..	1008·2	— 0·2	307·6	309·9	14th	297·2	293·0	1st	302·4	301·5	+0·1	60	— 53
765	Ormoc	11 0	124 36	5·6	1007·1	1007·8	— 0·3	306·5	307·6	10th	294·8	291·1	6th	300·7	*300·2*	+0·5	64	— 24
	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1005·1	1007·6	— 1·7	304·1	305·6	21st	297·6	294·8	3rd	300·9	*301·1*	+0·1	66	— 38

Between Latitude 10° N. and 0°.

MAY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
822	Bogota	4 36	74 6	2645	..	1011·3	+ 0·8	303·2	305·8	31st	297·3	295·2	24th	300·3	*299·9*	+0·5	346	+ 23
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·7	..	..	..	..	..	..	..	..	..	..	..	188	+ 73
824	El Peru, Guayanavieja	7 19	61 49	220	?984·9	?1009·8	+ 0·2	296·6	299·0	15th	288·8	287·0	10th, 11th	292·7	*291·5*	—0·4	377	+ 91
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·6	— 1·0	304·9	?305·9	29th	293·7	?292·7	3rd, 9th	299·3	*298·6*	+0·1	14	—110
826	Paramaribo	5 49	55 9	3·7	‡1013·5	‡1013·9	+ 0·8	303·3	304·1	24, 25, 29	296·9	295·2	2nd	300·1	*299·5*	+0·1	30	—253
826*a*	Cayenne	4 56	52 21	6	..	..	+ 0·9	303·2	305·2	21st	295·1	293·3	7th, 21st	299·1	*298·7*	+0·5	77	—229
833	Konakri	9 4	13 42	16	..	..	..	303·9	307·8	10th	295·5	293·2	21st	299·7	*298·4*	+0·1	365	—192
834	Freetown, Sierra Leone	8 29	13 9	68·3	1002·7	1010·5	— 0·7	304·3	307·0	18, 28, 29	296·8	293·0	5th	300·5	*300·0*	—0·4	151	— 9
835	Assuantsi	5 18	1 15	101	..	..	..	303·9	306·3	1, 2, 17	..	..	..	..	‡*300·7*	—0·7	158	—133
836	Accra	5 33	W 0 12	25·1	1006·0	1008·8	..	303·6	305·8	1, 19, 22	294·4	289·1	12th	299·0	*298·4*	..	225	..
837	Lagos	6 27	E 3 24	6·7	1010·0	1010·7	— 1·8	?304·7	..	..	?295·7	..	..	?300·2	?*299·6*	+0·5	76	— 68
838	Zungeru	9 48	6 10	130	..	..	..	302·2	310·2	..	297·2	295·2	..	299·7	*299·3*	—1·0	547	+281
839	Yola	9 12	12 30	259	..	..	..	307·3	310·8	1st, 4th	295·3	292·4	30th, 31st	301·3	*300·8*	—0·5	181	+ 58
841	Wau	7 42	28 3	440	..	..	..	?310·9	312·5	5, 14, 23	290·8	288·5	sev. dates	?300·8	?*299·8*	—0·3	110	— 29
843	Malakal (Kodok)	9 35	31 37	394	964·3	1007·8	— 0·4	309·9	313·3	16th	296·9	293·5	31st	303·4	‡*301·8*	+ 0·9	32	— 39
843*a*	Mongalla	5 11	31 47	439	959·9	1008·7	+ 0·5	..	..	..	294·7	292·0	12th	..	..	..	90	— 47
844	Entebbe	0 5	32 29	1171	883·2	1009·2	— 0·9	298·0	299·7	3rd, 5th	289·6	284·1	9th	293·8	*294·3*	+0·6	172	— 44
851	Minicoy	8 17	72 49	2·1	1009·3	1009·5	— 0·6	..	..	..	..	..	..	..	..	..	156	+ 9
851*a*	Cochin	9 58	76 27	2·7	1008·6	1008·9	— 0·9	304·9	307·1	3rd	298·9	295·8	26th	301·9	301·3	+0·2	185	—109
852	Colombo Observatory	6 54	79 53	7·3	..	1008·1	— 0·3	304·2	305·1	23rd	299·3	294·7	26th	301·8	*301·2*	+0·7	129	—200
853	Nuwara Elija	6 59	80 46	1886	812·2	1009·0	..	295·3	296·6	4th	285·5	281·7	10th	290·4	*289·6*	+0·9	77	— 95
854	Trincomalee	8 34	81 14	30·2	..	1005·1	— 0·7	308·6	309·9	5th	298·8	297·9	1st	303·7	*303·1*	+0·6	0	— 62
855	Kuta Raja	5 32	95 20	7·

MAY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·0	305·6	8th	296·0	294·0	16th	299·5	*298·8*	−0·9	164	+ 4
926	Taperinha	2 30	54 20	20·0	1009·4	1011·7	− 0·1	301·1	303·0	24th	295·7	294·6	15th	298·4	*297·6*	−0·2	274	+ 47
927	Turyassu	1 43	45 26	15·1	1009·4	1011·2	− 0·1	303·8	305·8	30th	294·5	293·2	29th	299·2	*298·0*	−0·5	249	+ 6
928	Barra do Corda	5 30	45 16	81·0	1009·6	1009·9	− 0·8	303·6	309·4	14th, 24th	294·1	291·2	22nd	298·8	*297·5*	0·0	128	+16
929	Quixeramobim	5 16	39 15	207	989·0	1012·3	0·0	301·2	303·0	1st	295·3	294·0	12th	298·2	*298·1*	−1·4	288	..
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1011·8	− 0·1	300·6	302·7	4th	295·7	294·0	26, 30, 31	298·1	297·7	+0·4	23	+ 1
940	Brazzaville	4 17	15 16	320	‡973·9	‡1009·6	..	?304·4	?308·0	2nd	?296·7	?295·0	15th	?300·5	*?299·9*	+1·4	..	..
943	Masaka	0 21	31 47	?1280	..	..	..	297·6	299·7	7, 11, 16	289·4	288·0	23rd	293·5	*292·7*	+0·2	126	− 5
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	296·9	299·7	11th, 25th	286·9	281·9	11th, 27th	291·9	..	..	106	− 18
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	295·8	298·6	10, 13, 14	..	..	..	..	..	..	46	− 18
944*a*	Zanzibar	6 10	39 11	21·9	1012·8	1015·3	− 0·7	301·4	302·5	12th	297·3	295·7	18th	299·3	*298·8*	+0·2	116	− 18
945	Lamu	2 16	40 50	3·1	..	..	..	302·4	304·1	2nd	296·9	294·1	24th	299·7	*299·3*	−0·6	269	+ 15
947	Seychelles, Port Office	4 37	55 27	4·6	1010·1	1010·6	− 1·2	302·7	303·0	12th, 13th	298·7	296·6	24th	300·7	*299·9*	+0·5	167	+ 15
957	Padang	0 56	100 22	6·7	..	1008·9	− 1·8	..	..	..	..	..	..	..	..	..	360	+ 5
958	Batavia	6 11	106 50	8·0	1007·9	1008·8	− 0·6	303·7	305·0	10th	297·0	295·7	29th	300·4	300·0	+0·5	15	+ 12
958*a*	Pontianak	0 1	109 20	2·6	..	1009·2	− 0·5	..	..	..	..	..	..	..	..	..	398	+ 12
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	54	− 12
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	31	− 12
962	Amboina	3 42	128 10	4·2	..	1009·3	+ 0·1	..	..	..	..	..	..	..	..	..	..	..
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	453	− 5
965	Daru	9 4	143 13	7·6	..	1010·9	+ 0·2	301·1	..	..	..	..	..	..	..	..	109	− 5
966	Port Moresby	9 29	147 9	39·0	..	1010·7	+ 0·1	302·2	..	..	296·3	..	..	298·7	*298·3*	−0·8	27	− 8
967											297·2	..	..	299·7	*299·3*	−0·2	8	− 8
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·3	1010·6	+ 0·7	304·0	306·6	11th	296·8	295·6	27th	300·4	*300·1*	−0·1	276	+ 10
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·8	305·0	7th	298·6	296·9	15th, 27th	301·2	*300·5*	+0·4	25	− 10
		S.	E.															

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·3	+ 0·2	301·6	305·0	23rd	296·2	293·9	18th	298·9	298·5	−0·2	364	+ 22
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	299·4	301·9	9th	293·1	290·2	17th, 18th	296·3	*296·0*	−1·1	200	+ 6
1021	Arequipa	16 22	71 33	2451	..	..	..	293·1	295·3	15th	282·7	279·7	5th	287·9	*287·4*	+0·6	0	− 3
1022	Puerto de Arica	18 28	70 20	5	..	..	..	295·0	295·4	sev. dates	288·6	287·4	27th	291·8	..	..	0	− 3
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	730·5	..	..	290·2	294·8	6th	277·6	273·2	25th	283·9	*284·2*	..	0	− 7
1025	Corumba	18 59	57 39	116	999·0	1012·3	− 0·3	303·1	306·0	11th, 12th	293·1	288·2	25th	298·1	*297·5*	+1·3	29	− 51
1026	Cuyaba	15 36	56 6	165	992·5	1011·2	− 0·7	305·9	307·5	3, 13, 27	292·2	288·1	31st	299·0	*299·3*	+0·7	4	− 18
1027	Bello Horizonte	19 55	43 57	895	..	..	..	..	..	..	..	..	..	..	*291·9*	+0·4	..	..
1028	Caetite	14 3	42 37	897	916·3	1015·1	− 0·2	299·3	301·3	28th	289·4	285·7	27th	294·4	*295·0*	+0·9	9	− 51
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·1	1013·5	− 0·9	300·1	303·0	28th	295·7	292·8	22nd	297·9	*297·9*	+0·1	238	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	945·8	1011·7	+ 0·1	296·0	299·1	8th	287·2	284·7	28th	291·6	*291·8*	+1·1	57	− 40
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	297·5	?308·0	24th	288·7	286·8	19th	293·1	*292·7*	..	0	− 40
1042	Gwelo	19 28	29 48	1417	863·5	1018·2	− 0·7	294·1	301·3	2nd	282·4	275·8	30th	288·3	..	−0·3	52	+ 4
1043	Salisbury Gaol, Rhodesia	17 48	31 5	1457	857·2	1015·7	− 2·6	294·8	300·4	1st	282·7	278·2	30th	288·7	*287·6*	−0·2	64	+ 5
1044	Zomba	15 23	35 18	955	909·2	1015·4	− 0·6	296·0	300·2	3rd	286·3	283·6	17, 21, 22	291·1	*290·7*	−0·7	37	+ 1
1045	Antananarivo	18 55	47 32	1400	864·6	1017·1	− 1·5	294·8	297·9	4th	284·8	279·9	25th	289·8	*289·1*	−0·3	40	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·0	1011·6	− 0·1	302·1	305·1	4th	298·2	296·3	27th	300·1	*299·8*	−0·1	61	− 42
1057	Christmas Island	10 25	105 43	5·5	1007·4	1008·0	− 0·3	305·3	306·3	..	296·6	294·7	..	300·9	*300·3*	+0·5	33	− 29
1061	Kupang	10 10	123 34	45·1	..	1010·2	− 0·2	305·0	307·1	6th	295·0	292·0	29th	300·0	299·3	..	0	− 5
1061*a*	Derby	17 18	123 40	16·2	1010·4	1012·3	− 1·3	304·9	308·0	1st	294·1	291·2	1st	299·5	..	+1·3	12	− 5
1062	Hall's Creek	18 13	127 46	374	970·4	1012·7	− 2·6	303·8	305·8	22nd, 24th	290·3	285·4	14th	*297·1*	*296·5*	+2·7	0	− 5
1063	Darwin	12 28	130 51	29·6	1007·1	1010·5	− 0·4	306·3	308·0	6th, 7th	296·3	294·7	13th	*301·3*	*300·1*	+0·6	0	− 5
1064	Daly Waters	16 16	133 23	211	986·3	1010·3	− 2·7	304·9	306·9	31st	291·4	288·0	16th	298·2	*297·6*	+1·5	2	− 5
1065	Mein	13 13	142 47	122	996·5	1010·6	− 0·2	302·8	304·4	17th, 21st	291·6	286·8	26th	297·2	*296·5*	−0·7	15	− 5
1066	Georgetown, Queensland	18 22	143 32	302	979·5	1014·1	− 0·1	303·6	304·9	31st	288·7	284·4	23rd	296·2	..	+0·5	8	− 5
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1011·2	+ 0·4	301·6	..	..	296·9	..	..	299·2	*298·9*	0·0	212	− 48
1072	Suva, Fiji	18 8	178 26	6·1	..	1015·0	+ 0·7	303·7	304·2	sev. dates	295·2	292·7	19th	299·5	*299·2*	+1·8	225	− 51
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

MAY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	295·3	299·1	2nd, 13th	293·2	291·3	4, 7, 25	294·2	*293·9*	−2·0	281	+118
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·0	1016·2	− 0·5	289·9	293·8	15th	285·8	283·0	26th	287·9	*288·0*	+1·4	54	+ 24
1122	Iquique	20 12	70 11	9	1014·2	1015·3	0·0	292·8	295·5	17th	287·7	286·0	4th	290·3	*290·6*	+0·5	0	0
1123	Catamarca	28 27	65 47	510	952·3	1010·3	− 3·1	299·6	309·0	5th	285·1	278·8	21st	292·3	291·2	+2·1	0	− 12
1124	Salta	24 46	65 28	1178	882·1	1012·0	− 0·9	296·1	304·0	6th	283·4	275·0	20th	289·7	289·2	+2·3	1	− 8
1125	Goya																	
1126	Asuncion	29 9	59 15	26	1009·4	1012·4	− 3·7	299·7	306·0	6th	287·9	279·8	21st	293·8	292·9	+3·7	13	− 57
1127	Curityba	25 21	57 37	93	1003·4	1014·1	− 0·8	..	..	..	289·7	284·2	22nd	..	295·8	+3·9	0	− 97
1128	Rio de Janeiro	25 25	49 17	908	914·7	1017·1	− 0·8	295·0	300·1	8th	280·8	272·6	21st	287·9	*287·2*	+0·8	40	− 76
1139	Windhoek	22 54	W43 10	61·4	1009·4	1016·6	− 0·3	298·1	304·2	13th	292·0	289·0	25th	295·0	294·7	0·0	85	+ 1
1140																		
1141	Kimberley	22 35	E17 5	1680	..	..	..	293·7	297·4	2nd	283·8	278·8	31st	288·8	*288·8*	0·0	124	+118
1141*a*	Johannesburg	28 42	24 47	1202	886·6	1021·6	+ 0·6	293·4	297·1	14th	279·1	272·7	31st	286·3	285·4	−0·2	13	− 7
1142	Pretoria (Brooklyn)	26 11	28 4	1806	824·7	1020·4	− 0·2	289·2	292·4	14th	279·6	274·7	28th	284·4	*284·0*	−1·0	29	+ 10
1142*a*	Bulawayo	25 46	28 13	1400	865·2	1019·7	+ 0·1	292·9	296·4	15th	279·8	275·2	21st	286·3	*285·9*	0·0	15	− 8
1143	Durban	29 52	31 3	15·2	1019·8	1021·6	+ 1·0	297·1	300·9	1st	285·9	281·9	19th	291·5	*290·9*	−1·0	34	− 14
1144	Lourenço Marques	25 58	32 36	59	..	1019·3	+ 0·3	298·3	304·9	15th	288·5	283·1	23rd	293·4	292·8	−0·5	35	− 5
1147	Mauritius	20 6	57 33	55·2	1007·9	1014·3	− 2·1	298·0	299·8	4th, 22nd	291·0	285·8	26th	294·5	294·2	−1·1	99	+ 22
1159	Onslow	21 43	114 57	4·3	1009·8	1010·2	− 4·4	302·9	308·1	3rd, 4th	291·2	286·9	16th	297·1	..	+2·0	85	+ 49
1160	Peak Hill	25 38	118 47	588	944·5	1011·4	− 5·0	296·8	305·5	3rd	287·3	283·0	18th, 19th	292·1	..	+1·4	117	+ 94
1161	Nullagine	21 53	120 5	386	967·4	1011·4	− 4·4	301·9	306·3	1st	288·5	284·1	1st	295·2	..	+2·1	141	+128
1162	Laverton	28 40	122 23	466	959·5	1013·3	− 6·1	294·7	305·9	3rd	285·8	276·6	19th	290·3	*290·2*	+1·6	124	+ 99
1163	Alice Springs	23 38	133 37	587	946·7	1013·7	− 5·5	297·9	302·4	4th	283·4	278·0	18th	290·7	*290·6*	+2·3	85	+ 68
1164	William Creek	28 55	136 21	76·2	1006·0	1015·1	− 5·3	296·9	304·1	4th, 6th	284·1	278·0	12th	290·5	*290·2*	+2·4	48	+ 38
1165	Thargomindah	22 55	139 38	146	995·8	1012·7	− 3·2	302·6	306·0	27th	288·2	284·6	21st	295·4	*295·3*	+2·7	23	+ 13
1166	Mitchell	26 32	147 52	336	977·6	1016·2	..	298·1	301·6	29th	283·1	276·9	22nd	290·6	..	+3·1	17	− 22
1167	Rockhampton	23 24	150 30	11·3	1014·8	1016·2	− 1·4	300·4	302·1	31st	289·4	285·6	26th	294·9	*294·2*	+1·6	32	− 9
1168	Brisbane	27 28	153 2	41·7	1012·7	1017·6	− 1·2	297·0	299·9	19th	287·0	280·9	27th	292·0	*291·2*	+0·9	20	− 52
1170	Norfolk Island	29 4	167 59	15·2	1019·8	1021·6	+ 3·7	294·7	296·9	13th	289·1	286·3	4th, 5th	291·9	*291·5*	+0·3	214	+ 73
		S.	E.															

Between Latitude 30° S. and 40° S.

MAY—ZONE 12.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	1011·5	1012·7	− 6·1	293·2	298·0	14th	284·1	279·4	31st	288·7	*289·5*	+0·6	199	+ 26
1221*a*	Punta Tumbes	36 37	73 6	120	999·6	1014·0	− 2·6	288·3	292·0	20th	282·6	279·6	14th	285·5	*285·6*	+0·3	151	+ 64
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·0	1014·9	− 2·1	290·8	297·2	15th	284·8	281·6	31st	287·8	*287·3*	+0·4	452	+360
1222*a*	Santiago	33 27	70 42	520	955·0	1015·8	− 1·3	291·9	297·5	16th	280·5	276·0	12th	286·2	*285·2*	+2·1	249	+190
1223	Cordoba	31 25	64 12	423	963·2	1012·1	− 3·2	296·6	306·3	..	282·4	275·9	..	289·5	288·9	+2·6	8	− 17
1224	Bahia Blanca	38 45	62 15	25	1009·7	1012·8	− 1·1	291·0	299·0	2nd	281·5	273·1	14th	286·3	286·4	+1·9	38	+ 7
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1011·5	1014·3	− 2·8	293·1	301·9	5th	282·8	273·4	14th	287·9	287·8	+1·4	95	+ 18
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1012·5	− 3·0	292·6	300·5	4th	285·5	279·5	15th	289·1	*288·9*	+1·3	41	− 56
1226*a*	Porto Alegre	30 2	W51 13	23·5	1014·1	1016·9	− 0·7	297·0	305·9	6th	284·2	277·4	21st	290·6	290·0	−0·3	61	− 60
1239	Cape Town	33 56	E18 29	12·2	..	1019·7	+ 1·7	294·8	304·1	4th	284·9	278·6	28th	289·8	*288·3*	+1·9	9	− 88
1240	Danger Point	34 37	19 18	27·7	1011·3	1014·6	..	291·9	297·4	4th	284·9	280·2	20th	288·4	..	..	19	− 56
1241	Riversdale	34 6	21 16	? 61	1008·3	1015·6	..	295·3	305·8	5th	280·0	274·7	22nd	287·6	..	..	24	− 15
1242	East London	33 1	27 54	9·8	1017·9	1019·1	+ 1·0	294·8	299·6	27th	285·1	281·3	16th, 22nd	289·9	..	+0·1	24	− 20
1259	Perth (Observatory)	31 57	115 51	60·0	1003·2	1010·4	− 8·1	293·6	299·8	2nd	286·2	281·3	18th	289·9	*289·9*	+1·0	268	+144
1260	Katanning	33 42	117 35	310	975·9	1011·8	− 6·8	291·2	297·7	2nd	283·9	275·5	19th	287·6	..	+1·7	148	+ 96
1261	Coolgardie	30 57	121 10	423	963·1	1012·2	− 7·4	293·3	302·3	3rd	284·4	278·0	19th	288·9	*288·8*	+1·7	101	+ 66
1262	Eucla	31 45	128 58	4·6	1011·7	1012·4	− 6·6	294·3	306·4	3rd, 4th	286·8	279·9	19th	290·6	*290·2*	+1·7	72	+ 40
1263	Streaky Bay	32 48	134 13	13·1	1013·1	1014·5	− 6·3	294·1	304·3	5th	286·4	279·7	10th	290·3	*289·8*	+2·4	66	+ 17
1264	Adelaide	34 56	138 35	42·7	1011·6	1016·7	− 3·4	294·8	304·9	4th	285·6	280·1	8th	290·2	289·5	+2·8	116	+ 46
1265	Melbourne	37 49	144 58	35·1	1014·0	1018·2	− 1·3	290·5	300·2	5th	282·1	276·8	29th	286·3	*286·0*	+1·0	69	+ 14
1266	Bourke	30 13	145 58	111	1006·1	1019·1	− 2·8	295·8	303·0	2nd	283·3	277·4	27th	289·6	..	+1·2	77	+ 50
1267	Sydney	33 51	151 13	40·5	1012·6	1017·5	− 1·1	293·1	297·9	2nd	285·9	278·1	27th	289·5	*288·8*	+1·6	185	+ 55
1268	Lord Howe Island	31 20	159 0	4·6	1018·1	1018·6	+ 1·0	294·9	298·3	3rd	288·2	283·3	30th	291·6	..	+0·4	179	+ 41
1271	Auckland	36 50	174 50	38·1	..	1019·6	..	289·3	291·9	7th	283·5	279·1	13th	286·4	..	−0·3	34	− 78
1272	Napier	39 32	176 53	21·3	..	1019·0	+ 4·5	289·1	294·9	27th	280·3	275·2	31st	284·7	..	−0·4	25	− 80
		S.	E.															

Between Latitude 40° S. and 50° S.

MAY—ZONE 13.

		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1011·6	..	..	..	..	..	..	..	..	..	..	86	− 12
1321	Isla Guafo	43 34	74 45	140	991·2	1008·1	− 3·7	284·0	286·8	1st	280·3	276·0	13th	282·1	*282·2*	−0·1	95	− 39
1322	Punta Galera	40 1	73 44	40	1007·9	1012·7	− 2·1	286·2	290·0	8th	281·4	277·0	14th	283·8	*284·1*	0·0	305	− 18
1323	Sarmiento	45 30	69 0	274	973·8	1005·5	..	284·8	294·5	1st	275·6	268·0	12th	280·2	279·7	+0·3	27	+ 7
1324	Punta Madryn	42 49	W64 58	14	1007·8	1009·5	..	290·1	298·0	3rd	278·9	270·3	31st	284·5	284·3	+1·1	11	− 14
1365	Launceston	41 27	E147 10	10·1	1015·7	1016·9	+ 0·3	289·5	294·7	1st	279·0	271·8	29th	284·2	*283·6*	+1·4	57	− 10
1366	Hobart	42 53	147 20	53·9	1010·6	1017·1	+ 1·5	287·6	298·4	5th	279·7	273·7	26th	283·7	*283·1*	+0·5	31	− 16
1370	Invercargill	46 25	168 21	3·7	..	..	..	286·2	293·0	22nd	276·7	271·9	19th	281·4	..	+0·8	109	− 8
1371	Dunedin	45 52	170 31	91·4	..	1017·0	+ 3·8	..	..	..	..	..	..	..	..	..	27	− 54
1371*a*	Christchurch	43 31	172 39	7·6	..	1016·6	+ 1·6	287·2	293·7	25th	278·5	272·4	10th	282·8	..	+1·0	58	− 9
1372	Wellington	41 16	174 46	3·1	..	1018·9	+ 4·0	287·1	290·8	27th	281·7	275·9	9th	284·4	..	−0·1	67	− 52
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

MAY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	994·0	1000·7	+ 0·3	279·7	282·8	29th	276·0	273·2	11th	277·9	*277·5*	—1·0	173	— 71
1422	Puerto de Punta Arenas	53 10	70 54	28	998·0	1001·5	— 0·6	277·4	282·9	1st	273·5	269·0	11th	275·5	*275·5*	—1·6	33	— 11
1423	Punta Dungeness	52 24	68 26	5	1000·6	1001·2	+ 0·7	279·3	283·8	1st	273·9	267·0	11th	276·6	*277·0*	—1·2	19	+ 17
1424	Santa Cruz	50 11	68 21	12	1001·5	1003·0	— 1·3	279·4	288·0	1st	273·7	268·1	12th	276·5	276·5	—1·5	31	+ 11
1424*a*	Año Nuevo	54 39	64 8	50	993·9	1000·1	+ 1·1	277·3	285·0	1st	274·2	268·0	11th	275·7	*275·4*	—1·6	69	+ 51
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	997·9	1000·5	— 0·5	279·1	284·1	4th	274·1	270·8	15th	276·6	277·2	—0·5	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	997·9	998·4	+ 3·4	273·1	280·1	11th	267·3	263·6	29th	270·2	*270·3*	—3·5	122	— 51

MAY—ZONE 15.

Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
1527	South Orkneys.	60 44 S.	44 39 W.	7	996·6	997·5	+ 4·6	266·4	275·6	23rd	258·5	249·0	8th	262·5	262·2	—3·5	15	— 37
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s.		9h. 17h.	7h. 21h.		9h.	8h. 20h.	9h.
1	SSE	6·3	..	NW 2 SW 1	S 1 S 2	..	Calm 0	NE 2 Calm 0	SE 4
2	SSE	2·6	..	SW 4 SW 1	SE 1 S 1	..	Calm 0	NE 2 Calm 0	SE 4
3	Calm	..	..	NW 2 SW 1	S 1 SW 2	..	SE 2	NE 1 NE 2	NE 4
4	Calm	..	..	W 2 SW 1	SW 1 S 2	..	SE 6	NE 2 Calm 0	NE 4
5	Calm	1·7	..	Calm 0 SW 2	W 1 W 2	..	SE 6	NNE 2 NE 2	ENE 4
6	SE	4·2	..	SW 1 SW 1	S 1 S 2	..	SE 4	Calm 0 NE 2	Calm 0
7	SE	4·8	..	NE 1 SW 2	SE 2 SE 2	..	Calm 0	Calm 0 Calm 0	SE 2
8	SE	..	..	NW 2 SW 3	S 1 S 1	..	Calm 0	NE 2 N 1	SE 5
9	SSE	..	..	SW 3 SW 2	S 1 SE 1	..	Calm 0	NE 1 Calm 0	SE 1
10	SE	..	..	SW 3 SW 3	E 1 SE 1	..	Calm 0	NE 2 Calm 0	SE 1
11	SE	..	..	NW 1 SW 1	S 1 W 1	..	SE 2	Calm 0 NE 3	SE 1
12	SSE	8·1	..	SW 4 SW 1	NW 1 S 1	..	Calm 0	NE 2 Calm 0	NE 1
13	SE	9·0	..	SW 1 SW 4	S 1 S 1	..	SE 2	Calm 0 NE 2	NE 1
14	SSE	10·4	..	NW 2 SW 4	S 1 S 1	..	SE 2	NE 1 NE 3	SE 2
15	SE	9·9	..	W 1 SW 2	E 1 SE 1	..	Calm 0	NE 3 NE 2	SE 0
16	SE	..	..	NW 4 SW 2	SW 1 S 1	..	SE 2	NE 2 NE 4	Calm 0
17	SE	..	..	Calm 0 SW 4	N 1 S 1	..	SE 2	NNE 3 Calm 0	SE 2
18	SE	..	..	SE 1 SW 2	S 2 SE 1	..	SE 4	NE 4 Calm 0	SE 2
19	SE	..	..	NE 2 SW 3	N 1 S 1	..	SE 2	NE 3 NE 2	SE 2
20	SE	7·0	..	E 1 Calm 0	NE 1 S 1	..	SE 4	Calm 0 Calm 0	NE 4
21	SE	6·5	..	E 1 SW 3	Calm 0 SW 2	..	SE 2	NE 1 Calm 0	NE 2
22	ESE	3·8	..	NE 1 SW 2	E 2 S 1	..	SE 4	NE 2 Calm 0	SE 2
23	SE	3·6	..	NE 1 Calm 0	S 1 S 1	..	SE 4	NNE 3 Calm 0	NNE 4
24	SSE	3·8	..	Calm 0 Calm 0	N 1 S 1	..	SE 2	NE 2 Calm 0	NNE 2
25	ESE	2·7	..	Calm 0 Calm 0	S 1 SE 2	..	Calm 0	NE 3 Calm 0	E 3
26	SSE	3·1	..	NE 3 SW 4	W 1 S 1	..	Calm 0	NE 3 NE 2	NE 3
27	ESE	2·2	..	Calm 0 Calm 0	W 1 S 1	..	SE 2	NE 1 NE 4	E 3
28	SE	2·4	..	NE 1 SW 2	NW 1 S 2	..	Calm 0	Calm 0 Calm 0	E 3
29	SE	5·4	..	NE 4 SW 3	Calm 0 W 2	..	Calm 0	E 2 Calm 0	Calm 2
30	SSE	4·1	..	W 3 SW 4	S 1 S 1	..	..	NE 2 NE 1	NE 0
31	SSE	1·8	..	Calm 0 SW 2	W 1 S 1	..	SE 4	NNE 2 Calm 0	Calm 3
							SE 6	NE 3 NE 2	NE 3
Mean	..	4·9	..	1·6	1·0	..	2·1	1·7	1·0	2·2
§Resultant	140° (84)	..	..	240° (42)	5° (57)	..	135° (61)	45° (60)	90° (63)
§Normal	130° (86)	6·0	‖84° (73)	275° (18)	240° (42)	83° (79)	120° (73)	‖ 105° (56)	102° (52)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ? 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1921.

‡‡ *Barents Sea.*—Except for a little scattered ice round Cape Kanin early in the month, the eastern part of the sea to Novaya Zemlya was free of ice. In the northern part the ice edge consisting of heavy ice was more northerly than usual, lying approximately along 75°N. The area covered was 663 × 10^3 sq. km. compared with a normal of 981 × 10^3 sq. km.

‡‡ *Spitsbergen.*—A belt of heavy drift ice, 40–50 miles wide, extended from South Cape to Bell Sound, and from there to Icefjord there was scattered ice. From Prince Charles Foreland to Amsterdam Islands, where a scattered ice edge was met trending north-westward, the sea was free of ice. Green Harbour was not ice free until the 31st.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 6 days visible, 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—Between Spitsbergen and Greenland the ice edge was more westerly than usual. A Norwegian sealer met with ice 20 miles north of Grimsey on the 8th and 60 miles northwest of Siglufjord on the 25th. Off Angmagsalik there was ice everywhere with a land water. The area covered was 1029 × 10^3 sq. km. compared with a normal of 1062 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—One hundred and ninety-eight icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 147. The southmost occurred in 41½°N., the eastmost in 41°W. Heavy open ice occurred round Belle Isle and there was scattered ice everywhere in the Strait.

‡‡ *Davis Strait and Baffin Bay.*—During the first days the sea from Cape Farewell across Julianehaab Bay was free of ice. Later a mass of "Storis" extended from Cape Farewell to Frederikshaab, with a close edge 60 miles offshore in the south and reaching to 55°W. further north. This belt also extended north-west to 64°N. where it was far offshore. The ice drifted out of Disko Bay and the winter ice left the coast at Upernivik. As usual icebergs were numerous.

‡‡ *Bering Sea.*—In Bristol Bay scattered ice sheets were met with in 57 °N. and 160°W. with a land water 20 miles wide. On the 19th a belt of pack ice was met with between St. Matthew and Pribiloff Islands and a scattered ice edge occurred in 61½°N. but a bight of open water extended to St. Lawrence Island.

‡‡ *Isforholdene i de Arktiske Have*, 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1921

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — JUNE—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1013·5	..	275·5	281·9	20th	270·8	261·9	1st	273·1	..	—1·4	8	0
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1008·0	1010·3	— 1·7	279·4	284·3	20th	272·5	270·0	6th	275·9	*274·9*	+0·2	16	+ 3
125	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1006·5	1007·9	— 5·0	..	280·0	24th	273·2	267·7	6th	..	275·4	+0·7	16	+ 3
139	Björnöen	74 28	19 15	40·5	1001·9	1006·9	..	..	..	..	..	..	..	..	*276·3*	..	52	..
140	Gjesvaer	71 6	25 22	6·5	1006·0	1006·8	— 6·3	..	292·7	9th	279·4	274·9	4th	..	*281·9*	+2·1	92	+ 55
141	Mehavn	71 1	27 47	6·4	1006·2	1007·0	— 5·3	..	293·4	12th	279·6	274·6	7th	..	*282·1*	+2·4	105	+ 62
142	Vardö	70 22	31 8	10·0	1006·0	1007·2	— 6·1	..	290·6	22nd	279·6	274·7	7th	..	*281·7*	+3·0	74	+ 36
143	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
147	Waigatz	70 24	58 47	11·2	1009·1	1010·5	— 0·9	283·1	296·2	24th	276·4	271·1	7th	279·8	*279·1*	..	82	..
148		N.	E.															

Between Latitude 70° N. and 60° N. — JUNE—ZONE 2.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
203	Nome	64 30	165 24	6·7	..	1009·1	— 2·4	283·8	297·4	30th	276·1	270·8	5th	280·0	*280·8*	—0·2	22	— 10
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1007·8	— 4·6	294·5	300·2	23rd	280·3	275·2	4th	287·4	*288·3*	+0·6	21	— 4
206	Rampart	65 30	150 15	122	..	..	..	294·1	299·1	7th	280·4	275·2	18th	287·2	..	—0·2	27	+ 2
207	Valdez	61 7	146 16	8·2	..	1010·5	— 4·9	289·4	293·6	4th, 20th	279·2	274·7	1st	284·3	*284·8*	+0·8	49	+ 1
208	Eagle	64 46	141 12	254	..	1007·4	— 2·9	296·0	301·3	4th	279·6	271·9	1st	287·8	..	+1·5	29	— 10
209	Dawson	64 4	139 20	328	968·3	1006·6	— 5·9	296·3	301·3	7th	279·1	272·4	1st	287·7	..	+0·8	29	+ 1
210	Carcross	60 11	134 34	662	..	..	..	292·1	296·3	5th, 30th	275·6	270·2	1st	283·9	..	+0·6	45	+ 25
211	Fort Good Hope	66 15	128 31	65·2	1001·3	1008·8	..	294·6	303·0	5th	281·2	274·7	1st	287·9	..	..	48	+ 32
212	Fort Simpson	61 52	121 35	59·4	..	..	..	295·3	299·1	7th, 24th	281·6	270·8	1st	288·4	..	+2·3	..	..
213	Hay River	60 51	115 57	161	989·5	1008·1	— 3·2	290·0	298·6	23rd	281·7	273·0	2nd	285·8	..	+3·0	96	+ 62
225	Jacobshavn	69 13	51 2	12·6	1008·0	1009·5	— 1·5	280·6	287·9	25th	274·6	271·3	5th	277·6	*277·8*	+0·1	13	— 8
226	Godthaab	64 11	51 43	9·0	1006·3	1007·4	— 2·1	281·4	287·2	21st	273·7	270·4	14th	277·5	*276·6*	—0·8	..	..
227	Ivigtut	61 12	48 10	5·0	1008·2	1008·8	— 0·8	284·1	288·2	15th	277·4	272·8	1st	280·7	*280·4*	—0·7	210	+133
229	Angmagsalik	65 37	37 33	31·7	1007·5	1011·4	— 1·8	282·4	290·2	18th	274·0	270·5	24th	278·2	*277·6*	—0·3	31	— 22
231	Stykkisholm	65 5	22 46	20	1011·5	1013·9	+ 2·7	284·2	288·0	29th	278·8	275·7	11th	281·5	*281·2*	+0·4	27	— 12
232	Vestmanno	63 26	20 15	7·7	1014·0	1014·9	+ 2·9	285·2	288·9	28th	278·6	275·7	1st, 2nd	281·9	*281·5*	—0·6	106	+ 23
233	Grimsey	66 33	17 58	22·0	..	..	..	280·9	284·8	5th	..	..	..	..	*278·8*	+0·3	..	..
234	Akureyri	65 40	18 4	35	..	1011·8	— 0·8	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1011·8	1014·0	+ 1·7	287·5	292·4	27th	277·9	274·4	1, 20, 21	282·7	*282·1*	+1·8	11	— 54
236	Thorshavn	62 3	6 45	26·3	1014·4	1017·6	+ 3·6	284·9	289·7	28th	278·4	274·0	21st	281·7	*281·5*	—0·6	62	— 4
237	Lerwick	60 9	W 1 11	46·9	1013·3	1019·1	+ 5·1	284·2	286·3	4, 7, 25	279·8	275·8	21st	282·0	*282·1*	—0·7	23	— 22
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1010·7	1016·2	+ 2·3	285·7	291·7	7th	280·2	276·9	18th	282·9	*282·8*	—3·1	79	— 10
239	Aalesund	62 28	0 10	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
240	Trondhjem	63 26	10 25	39·5	1008·8	1013·8	+ 0·5	285·2	295·4	8th	279·2	275·6	5th	282·2	*281·5*	—3·4	96	+ 54
241	Bodö	67 17	14 24	22·4	1006·8	1009·5	— 4·3	..	286·6	8th	279·0	276·0	5th	..	*281·0*	—1·9	163	+110
242	Haparanda	65 50	24 9	9·2	1006·4	1007·5	— 4·9	289·5	296·0	18th	281·2	275·0	6th	285·3	*285·2*	+0·5	27	— 7
243	Helsingfors	60 10	24 57	11·7	1007·6	1009·1	— 3·7	291·6	296·7	2nd	283·4	277·0	7th	287·5	*287·4*	+0·5	80	+ 36
244	Kuopio	62 54	27 40	90·3	997·1	1007·9	— 5·1	291·4	298·2	1st	282·7	275·4	7th	287·0	*287·6*	+1·2	95	+ 37
245	Kola	68 53	33 1	6·7	1007·2	1008·0	— 4·8	289·2	297·5	11th	281·2	273·5	10th	285·2	*285·0*	+3·2	36	+ 6
246	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Arkhangelsk	64 34	40 31	6·3	1008·0	1008·8	— 3·2	294·9	304·0	23rd	285·0	275·6	8th	290·0	*289·8*	+4·9	58	+ 13
248	Mezen	65 50	44 16	14·9	1007·4	1009·2	— 2·9	294·2	303·5	23rd	283·0	274·7	7th	288·6	*289·2*	+7·2	44	+ 9
249	Oust-Tsylma	65 25	52 18	? 68	1002·6	1010·6	— 0·6	294·9	303·6	24th	285·0	273·7	7th	290·0	*289·9*	+6·7	44	..
250	Tcherdyn	60 24	56 31	?177	991·1	1011·7	+ 1·8	299·7	308·7	27th	287·2	279·6	5th	293·4	*293·2*	+6·5	41	— 9
251	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253	Sourgout	61 15	73 24	? 40	1008·7	1013·4	+ 3·9	..	303·5	27th	283·1	272·6	3rd	..	*290·8*	+6·1	11	— 53
254	Doudinka	69 23	86 4	? 20	1010·6	1013·0	+ 5·7	..	285·7	29th	273·4	267·9	4th, 5th	..	*275·5*	—2·8	35	— 3
261	Touroukhansk	65 47	87 57	? 45	1007·6	1013·1	+ 4·0	..	295·4	29th	276·4	266·9	1st	..	*281·6*	+0·2	19	— 21
262	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	275·8	..	..	*287·2*	—0·4	26	— 5
263	Iakoutsk	62 1	129 43	?108	993·2	1005·9	— 1·6	..	302·3	20th	282·0	273·9	13th	..	*289·1*	+1·2	12	— 25
271	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		N.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106.

† Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	6·1	..	1008·8	— 3·9	280·7	284·7	30th	275·1	272·4	9th	277·9	..	0·0	30	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·4	— 7·8	282·3	287·4	7th	277·8	275·2	2, 15, 29	280·1	..	—0·4	73	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	..	..	285·7	294·1	sev. dates	279·7	275·8	29th	282·7	..	—0·2	‡141	..
309	Sitka	57 3	135 19	27·4	..	1010·5	— 6·1	289·6	296·3	2nd	280·3	276·3	1st	285·0	*284·9*	+1·2	55	..
310	Prince Rupert	54 18	130 18	51·8	1008·1	1014·4	— 2·4	287·4	292·4	13th	280·2	276·3	12th	283·8	*283·9*	—0·9	107	..
311	Barkerville	53 2	121 35	1274	867·2	1009·8	— 1·5	289·1	294·7	3rd	276·3	271·9	10th, 15th	282·7	*282·2*	—0·4	89	..
312	Kamloops	50 42	120 29	385	970·0	1014·5	— 1·4	298·6	303·6	23rd, 24th	284·7	279·1	15th	291·6	*291·3*	+0·5	17	..
313	Calgary	51 2	114 2	1045	892·8	1008·9	— 1·6	297·4	303·0	24th	280·2	276·3	2nd	288·8	*288·3*	+2·5	25	..
314	Fort Chipewyan	58 42	111 10	218	982·0	1006·8	— 4·3	294·3	301·9	8th	282·7	270·2	2nd	288·5	*289·3*	+3·3	29	..
315	Prince Albert	53 10	105 38	442	958·5	1009·2	+ 0·2	297·4	303·0	27th, 29th	284·7	271·9	3rd	291·1	*291·1*	+3·6	77	..
316	Qu'Appelle	50 30	103 47	645	935·8	1008·6	— 2·7	297·4	303·6	14th, 29th	285·2	269·7	3rd	291·3	*291·1*	+3·0	124	..
317	Minnedosa	50 15	99 50	515	951·6	1010·4	— 1·1	296·9	304·7	28th	285·2	270·8	3rd	291·1	*291·1*	+2·6	50	..
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	282·0	276·3	19th	..	..	..	..	..
318*a*	Port Nelson	57 4	92 39	14·9	1012·0	1013·8	+ 0·5	289·1	304·1	28th	277·4	270·8	3rd	283·3	..	+3·6	67	..
319	Fort Hope	51 33	87 49	‡260	981·7	1012·8	..	296·3	308·0	29th	283·0	273·0	1st, 4th	289·7	‡*290·3*	+4·3	103	..
320	Moose Factory	51 14	80 30	9·1	1010·5	1011·6	— 2·6	..	..	..	..	..	..	..	..	..	19	..
321	Fort George	53 50	79 5	97·5	..	..	..	290·1	299·1	29th	278·3	271·9	14th	284·2	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	292·9	302·3	23rd	279·1	270·9	4th	286·0	..	+0·4	38	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	287·8	293·6	11th	278·1	273·6	18th	282·9	..	0·0	31	..
326	Belle Isle	51 53	55 23	133	..	..	..	281·4	288·6	30th Sea Temp. 287·3 +0·5	274·1	271·3	15th	277·7	*277·7*	—0·4	85	..
333	53°—48′ N. 20°—15° W.	††49 50	††17 39	§(61-63)	..	1026·4	..	..	..	..	..	..	..	288·2	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1023·0	1024·6	+ 8·6	291·0	295·8	25th	283·3	279·1	1st	287·2	287·5	+0·7	3	..
335	Aberdeen	57 10	W 2 6	26·8	1018·1	1021·3	+ 6·4	288·5	298·6	25th	281·0	276·9	6th	284·8	284·8	+0·3	28	..
336	Greenwich	51 28	0 0	46·3	1016·1	1021·7	+ 5·3	295·1	303·0	25th	282·3	275·8	19th	288·7	288·5	+0·5	11	..
337	Uccle	50 48	E 4 22	100	1007·6	1019·6	+ 3·4	295·5	301·8	26th	282·9	278·4	15th	289·2	288·3	+0·3	18	..
338	De Bilt	52 6	5 11	3·0	1018·9	1019·3	+ 3·5	293·4	300·5	27th	283·0	277·2	17th	288·2	287·8	—0·7	45	..
338*a*	Hamburg	53 33	9 58	40·3	1011·8	1016·6	+ 1·6	291·2	299·7	4th	283·6	279·4	22nd	287·4	*287·3*	—1·6	100	..
339	Copenhagen	55 41	12 36	5·0	1013·0	1013·6	— 0·6	290·9	297·3	3rd	284·3	279·1	21st	287·6	*287·5*	—0·3	41	..
340	Potsdam	52 23	13 4	84·9	1005·6	1015·8	+ 0·8	293·1	306·3	4th	283·0	278·3	22nd	288·1	287·7	—1·6	67	..
340*a*	Uppsala	59 51	17 38	24	1007·0	1009·9	— 3·1	292·0	300·6	9th	280·6	274·8	14th	286·3	286·5	—0·5	88	..
341	Warsaw	52 13	21 1	133	998·0	1013·9	— 0·2	294·7	306·9	3rd	283·7	276·0	19th	289·2	289·1	—1·6	17	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1000·9	1009·8	— 2·9	292·8	301·0	1st	282·4	276·5	7th	287·6	287·4	—0·6	106	..
343	Petrograd	59 56	30 16	4·8	1008·2	1008·8	— 3·6	292·8	299·2	1st	284·2	277·1	7th	288·5	*288·4*	+0·7	82	..
344	Kiev	50 27	30 30	183	989·1	1010·4	— 2·0	297·6	306·3	2nd	285·9	278·8	8th	291·8	*290·9*	0·0	50	..
344*a*	Moscow	55 50	37 33	167	989·8	1009·3	— 2·9	296·3	306·1	1st	284·9	277·7	9th	290·6	*290·2*	+0·9	64	..
345	Saratov	51 33	45 57	?122	995·1	1009·2	— 1·1	301·9	308·2	25th	289·0	280·7	9th	295·4	*295·3*	+2·7	35	..
346	Kazan	55 47	49 8	79·9	1001·8	1011·0	+ 1·1	303·3	310·5	25th	288·9	280·6	9th	296·1	*295·7*	+5·5	16	..
347	Orenburg	51 45	55 6	109	997·2	1009·7	+ 0·5	305·5	311·1	28th	290·4	284·8	3rd	298·0	*298·3*	+6·6	15	..
348	Perm	58 1	56 16	103	993·6	1012·5	+ 3·3	299·6	308·7	27th	288·1	279·2	6th	293·8	*293·9*	+5·7	124	..
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	979·9	1012·2	+ 1·9	300·2	306·6	26th	287·8	283·4	1st	294·0	*293·8*	+6·3	96	..
350	Tobolsk	58 12	68 14	108	1001·5	1014·1	+ 3·4	300·8	307·4	28th	288·8	282·3	4th	294·8	*294·7*	+6·9	38	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	998·8	1011·4	+ 1·5	..	..	..	285·0	..	8th	285·6	274·9	2nd	..	..
353	Barnaoul	53 20	83 48	162	991·2	1010·2	0·0	296·7	305·7	8th	285·6	274·9	2nd	..	*293·4*	+4·0	16	..
354	Tomsk	56 30	84 58	122	995·9	1010·3	+ 1·2	..	304·8	11th	283·3	275·5	2nd	290·0	*290·7*	+0·9	36	..
355	Minousinsk	53 43	91 41	249	980·7	1009·8	— 0·8	..	..	9th	283·5	275·1	2nd	..	*289·4*	+1·8	27	..
356	Eniseisk	58 27	92 10	77·6	1000·2	1009·5	— 0·2	..	302·9	9th	282·9	273·1	18th	..	*289·0*	..	43	..
357	Irkutsk	52 16	104 19	467	954·3	1008·6	— 0·8	292·9	303·0	28th	280·7	273·8	3rd	..	*287·1*	—0·8	49	..
358	Kirensk	57 47	108 7	263	975·4	1006·3	— 2·0	..	300·7	29th	280·5	275·3	12th	286·7	*286·5*	—1·1	82	..
359	Tchita	52 2	113 30	674	..	..	..	..	301·3	29th	279·5	273·9	8th	..	*287·5*	—1·3	37	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	961·2	1004·9	..	295·9	303·0	21st	281·1	271·6	14th	288·5	*289·2*	..	136	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	988·6	1005·0	+ 0·2	299·1	304·8	20, 21, 22	285·8	279·8	16th	292·4	*292·6*	+2·3	30	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	999·8	1010·4	— 0·8	..	294·5	31st	277·9	275·0	1, 2, 3	..	*280·1*	+0·5	27	..
369																		
371	Attu Island	52 56	173 13	4·9	..	1007·1	— 4·7	281·6	285·8	29th	276·2	273·0	2nd	278·9	..	..	178	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1006·4	1014·8	— 2·1	290·2	294·1	25th	283·0	280·8	14th, 15th	286·6	286·3	0·0	31	+ 7
412	Portland, Oregon	45 32	122 41	46·6	1010·2	1015·6	— 1·5	295·7	301·3	6th	286·3	283·0	15th	291·0	*290·7*	+1·4	35	— 8
413	Macleod							298·3	305·8	30th	283·6	276·3	1st	290·9	*291·1*	+3·1	13	— 52
414	Helena	49 44	113 24	953	..	..	..	297·6	305·8	13th	283·7	278·6	17th	290·6	*290·0*	+1·8	42	— 20
414*a*	Salt Lake City	40 46	111 54	1329	865·2	1010·1	— 0·8	301·2	308·6	28th	288·4	281·3	18th	294·8	*294·7*	+1·6	2	— 20
415	Cheyenne	41 8	104 48	1856	814·2	1012·2	+ 2·0	295·9	304·1	30th	283·0	278·6	18th	289·4	*289·5*	+0·1	74	+ 36
416	North Platte	41 8	100 45	859	916·6	1013·9	+ 2·2	301·9	308·0	30th	288·4	283·0	20th	295·1	*294·7*	+1·5	35	— 47
416*a*	Bismarck	46 47	100 38	511	953·1	1012·2	— 0·1	301·5	314·7	30th	288·1	279·1	4th	294·8	*294·6*	+3·7	23	— 68
417	Winnipeg	49 53	97 7	232	984·1	1010·9	— 1·6	299·1	307·4	30th	286·9	273·0	3rd	293·0	*293·3*	+3·2	40	— 43
418	Duluth	46 47	92 6	345	973·9	1014·5	+ 0·8	295·5	304·7	26th	284·5	275·8	4th	290·0	*290·1*	+3·1	111	+ 16
419	Port Arthur	48 27	89 12	196	991·2	1014·3	+ 0·1	295·2	303·6	10th	283·6	273·6	4th	289·4	*289·5*	+2·7	59	— 11
420	Chicago	41 53	87 37	251	985·8	1015·2	+ 0·6	299·7	308·0	17th	292·7	282·4	4th	296·2	*296·2*	+3·9	40	— 48
421	Toronto	43 40	79 24	116	1001·7	1015·3	+ 1·0	299·1	305·2	23rd	286·9	280·8	2, 5, 6	293·0	292·9	+3·0	55	— 15
422	New York (Central Park)	40 47	73 58	47·4	1009·3	1014·8	— 2·7	300·3	308·0	22nd	289·2	284·7	2nd, 3rd	294·7	294·3	+0·2	71	— 15
423	St. John, N.B.	45 17	66 4	36·2	1007·4	1011·8	— 2·1	290·8	299·7	24th	281·9	278·6	5th	286·3	286·0	—0·3	37	— 46
424	S.W. Point, Anticosti	49 24	63 33	9·1	1008·2	1009·3	— 2·4	285·2	290·8	11th	279·7	274·7	6th	282·4	*282·7*	—0·1	87	+ 28
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1012·0	1012·9	— 2·5	285·8	291·9	22nd	276·9	275·2	sev. dates	281·3	282·2	—2·2	58	— 29
425	Port aux Basques	47 35	59 10	9·1	1009·3	1010·4	— 3·2	285·8	295·2	30th	279·1	274·7	5th	282·4	*282·3*	+0·5	91	— 15
426	St. John's, Newfoundland	47 34	52 42	38·1	1004·6	1009·2	— 2·9	289·7	300·8	11th	279·1	275·2	3, 8, 26	284·4	*284·1*	+1·6	132	+ 42
430	50°—45° N. 35°—30° W.	††46 11	††32 24	§(41–42)	..	1023·6	..	..	..	Sea Temp. 289·9+2·0	..	..	..	..	289·9	..	..	..
435	Madrid	40 24	3 41	667	940·3	1015·5	+ 0·6	300·6	307·7	23rd	286·7	283·4	11th	293·6	*292·9*	+1·3	44	+ 2
436	Nantes	47 15	W 1 34	36·5	1015·0	1019·2	+ 1·8	297·4	306·0	27th	285·2	280·0	11th	291·3	291·4	+1·6	53	— 3
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·8	1019·8	+ 2·8	296·7	303·2	25th	284·3	280·3	12th	290·5	290·6	+1·1	1	— 54
438	Marseille	43 18	5 23	75	..	1014·1	— 0·9	299·4	302·4	28th	286·6	283·4	15th	293·0	*293·3*	+0·5	3	— 25
438*a*	Zürich	47 23	8 33	493	960·8	1017·9	+ 0·7	296·3	303·1	27th	284·0	279·4	15th	290·1	289·3	—0·3	98	— 37
439	Rome	41 54	12 27	45·5	991·4	1015·3	+ 0·6	293·7	303·0	5th	285·2	280·3	22nd	289·5	289·4	—1·3	63	— 8
440	Vienna	48 15	16 22	203	998·3	1013·6	— 0·3	296·7	306·7	4th	285·8	281·7	22nd	291·3	*291·0*	—0·8	50	— 21
440*a*	Budapest	47 31	19 2	130	998·3	1013·6	— 0·3	296·7	306·7	4th	285·8	281·7	22nd	291·3	*291·0*	—0·8	50	— 21
441	Sofia	42 42	23 20	550	949·6	1012·7	— 0·4	294·7	304·7	30th	284·0	279·0	23rd	289·3	*289·1*	—2·1	64	— 17
442	Bucharest	44 25	26 6	82	1001·9	1011·5	— 1·5	298·8	306·7	30th	285·9	280·9	8th	292·3	291·9	—1·6	49	— 40
443	Odessa (University)	46 29	30 46	65·3	1003·3	1010·9	— 1·8	298·0	305·0	5th	287·8	283·1	8th	292·9	*292·7*	—0·2	19	— 37
444	Kharkov (University)	50 0	36 14	140	993·9	1010·2	— 1·8	298·3	307·5	2nd	285·8	276·0	8th	292·0	*291·8*	+1·0	52	— 12
444*a*	Novorossiisk	44 20	37 49	37·1	1006·2	1010·5	— 2·7	297·3	305·5	2nd	288·2	283·6	25th	292·8	*292·7*	0·0	66	+ 4
445	Tiflis	44 44	44 48	404	963·5	1009·1	— 3·3	300·9	307·1	26th	289·2	285·0	11th	295·1	*294·8*	+1·0	55	— 17
446	Astrakhan	41 43	48		1010·6	1008·3	— 2·8	303·6	308·5	7th	293·1	288·2	10th	298·4	*297·4*	+1·7	22	+ 4
447	Fort Alexandrovsk	46 21	48 2	— 20	1011·4	1008·7	— 2·6	301·0	308·7	27th	293·3	287·9	8th	297·2	*297·1*	+1·6	8	— 3
448	Krasnovodsk	40 0	52 59	— 5·9	1008·3	1007·7	— 2·9	303·3	309·6	29th	296·1	292·1	11th	299·7	*299·9*	+1·7	..	..
449	Kasalinsk	45 46	62 7	67	1000·8	1008·5	— 0·8	307·0	312·9	22nd	292·1	285·5	4th	299·6	*299·3*	+3·1	2	— 4
450	Tachkent	41 20	69 18	478	952·3	1005·8	— 1·7	304·0	307·7	21st, 23rd	289·5	285·0	29th	296·7	*296·1*	—1·3	39	+ 27
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	296·5	301·5	13th	286·2	281·3	4th	291·4	*291·1*	..	60	..
461	Moukden	41 48	123 23	43·8	1001·3	1006·4	+ 2·1	301·9	309·1	16th	288·6	283·5	1st	295·3	294·8	+0·4	51	— 32
462	Joshin	40 40	129 11	31·9	1006·8	1010·6	+ 4·1	291·4	295·5	23rd	284·7	278·4	2nd	288·1	287·8	—0·8	63	+ 4
463	Yuki	42 20	130 24	65·6	1002·2	1010·0	+ 2·8	290·7	295·8	7th, 15th	283·1	274·5	2nd	286·9	286·8	—0·7	26	— 51
464	Vladivostok	43 7	131 55	128	995·4	1010·7	+ 2·4	290·7	297·3	19th	283·0	277·1	2nd	286·9	286·3	—0·6	19	— 51
465	Ochiai	47 20	142 46	6·6	1010·4	1011·2	+ 2·1	289·3	298·9	23rd	277·4	272·6	2nd	283·3	283·0	—0·5	50	— 38
466	Nemuro	43 20	145 35	26·7	1008·0	1011·3	+ 1·2	286·0	295·2	13th	277·7	273·6	3rd	281·9	281·6	—1·3	61	— 35
466*a*	Syana	45 14	147 53	39·3	1006·7	1011·5	+ 1·3	284·0	292·6	13th	276·1	271·5	4th	280·1	280·0	—2·3	35	— 26
		N.	E.															

Between Latitude 40° N. and 30° N. — JUNE—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1008·5	1014·2	— 0·3	293·7	305·2	21st	284·9	282·4	1st	289·3	*288·7*	+1·6	0	— 5
512	San Luis Obispo	35 18	120 39	61·3	1006·6	1013·9	— 0·6	297·9	309·7	21st	284·0	279·1	16th	291·0	*289·0*	+0·2	0	— 3
513	San Diego	32 43	117 10	26·5	1009·4	1012·5	— 0·4	292·7	299·1	19th	287·8	285·2	17th	290·3	*289·9*	—0·8	0	— 1
514	Modena	37 48	113 54	1670	832·2	1009·5	— 0·2	300·8	307·4	11th	281·6	273·0	17th	291·2	*291·0*	+0·8	0	— 8
515	Santa Fé	35 41	105 57	2138	788·3	1009·1	— 0·3	296·9	303·6	28th	283·4	277·4	5th	290·2	*290·3*	—1·7	72	+ 45
516	Denver	39 45	105 0	1613	838·0	1012·5	+ 1·8	298·7	306·9	30th	286·4	281·3	4th	292·6	*292·2*	+0·1	83	+ 48
517	Abilene	32 23	99 40	530	951·8	1011·5	— 0·2	304·1	309·1	2nd	292·8	289·1	21st	298·4	*298·0*	—0·7	209	+142
518	Saint Louis	38 38	90 12	173	994·1	1014·2	— 0·1	303·5	307·4	13th	294·0	284·7	5th	298·8	*298·2*	+1·3	59	— 48
519	Mobile	30 41	88 2	17·4	1013·7	1015·6	+ 0·4	304·6	306·9	20th	296·2	292·4	28th	300·4	*299·8*	+0·6	101	— 40
520	Nashville	36 10	86 47	166	996·4	1015·6	+ 0·2	305·0	307·4	26th	294·3	290·2	6th	299·7	*299·2*	+1·5	58	— 50
521	Charleston	32 47	79 56	14·6	1014·2	1015·9	— 0·3	303·6	310·8	17th	295·7	289·1	6th	299·7	*299·5*	+0·7	15	—113
522	Washington	38 54	77 3	34·1	1011·3	1015·2	— 0·2	302·6	308·6	28th	290·3	283·0	6th	296·4	*296·1*	+0·5	88	— 17
523																		
524	Bermuda	32 17	64 46	46·0	1010·9	1016·3	— 2·7	298·6	300·8	26th	293·0	290·2	13th	295·8	*295·3*	—2·1	66	— 43
530	Santa Cruz (Flores)	39 27	31 9	28	1021·9	1025·0	— 0·8	295·7	298·3	29th	290·0	286·7	3rd, 4th	292·9	*293·0*	+0·5	91	+ 19
531	Horta	38 32	28 38	65	1016·8	1024·1	— 0·1	295·7	299·4	23rd	289·5	286·5	3rd	292·6	292·0	—0·1	35	— 27
532*a*	Ponta Delgada	37 44	25 40	22	1021·0	1022·8	— 0·7	294·3	297·3	29th	289·5	287·6	1, 8, 13	291·9	291·7	0·0	..	..
533	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	56	+ 2
534	Madeira (Funchal)	32 37	16 54	25	‡1018·7	‡1021·7	+ 0·9	293·8	296·1	27th	289·5	286·8	3rd	291·7	*291·8*	—0·7	4	— 5
535	Lisbon	38 43	9 9	95	1006·0	1017·1	— 0·5	296·6	303·8	15th	288·6	285·1	3rd	292·6	*292·2*	+0·2	1	— 19
535*a*	Melilla	35 18	2 59	8	1014·3	1015·2	— 2·7	298·3	303·0	21st	290·4	286·6	7th	294·4	*295·4*	—0·5	7	— 2
536	Gibraltar	36 6	5 21	16·2	1015·3	1017·2	— 0·4	298·3	302·4	29th	289·9	286·3	5th	294·1	*293·4*	—0·3	5	— 7
536*a*	Colomb-Béchar	31 6	4 6	786	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

JUNE—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·5	1016·2	— 0·6	299·6	303·0	28th	287·8	284·0	1st	293·7	..	—1·2	3	— 2
538	Algiers (Bouzaréah)	36 48	3 2	342	976·6	1015·1	— 0·9	296·3	306·2	30th	289·4	285·9	7th	292·9	292·5	—0·4	29	+ 1
539	Tunis	36 48	10 10	21	1012·1	1014·6	..	301·5	312·6	30th	290·6	285·6	17th	296·1	*295·8*	+0·5	5	— 1
539*a*	Malta	35 54	14 31	56·4	..	1014·4	— 0·1	297·3	301·0	30th	291·3	289·6	25th	294·3	*293·4*	—1·3	0	— 1
540	Riposto	37 41	15 14	14·2	..	1015·5	— 1·2	297·1	300·0	4th	291·0	288·4	23rd	294·1	*293·1*	—1·6	31	+ 1
541	Athens	37 58	23 43	107	998·7	1011·1	— 1·4	299·1	305·0	30th	290·3	287·2	24th	294·7	294·2	—2·7	52	+ 1
542	Alexandria	31 12	29 53	32·0	1008·2	1011·9	— 0·8	301·3	310·6	9th	293·3	292·2	9th, 12th	297·3	*297·0*	+0·2	0	— 1
543*b*	Nicosia (P.W.D.)	35 9	33 22	159	990·4	1008·6	— 0·4	302·2	310·2	30th	290·1	288·0	6, 24, 26	296·2	..	—1·9	45	+ 5
544	Beirut	33 54	35 28	33·7	..	1010·1	— 0·8	300·5	306·7	1st	293·8	291·9	4th, 5th	297·2	*296·9*	—0·4	10	+ 5
545	Baghdad	33 21	44 28	38·1	999·9	1004·3	— 0·1	312·8	319·8	30th	297·4	290·3	25th	305·1	*303·0*	—0·3	0	— 1
546	Lenkoran	38 46	48 51	—20·0	1011·0	1008·7	— 2·2	..	303·5	7th	292·3	289·4	1st	..	*297·4*	+1·2	28	+ 1
547	Tehran	35 41	51 25	1220	..	..	..	304·8	308·3	22nd	..	..	..	..	*296·5*	..	0	— 1
548	Meshed	36 16	59 35	946	..	..	..	306·3	309·9	9th	288·4	283·0	1st	297·3	..	+0·7	6	— 1
549	Seistan	31 0	61 30	?	..	..	..	312·1	317·9	14th	296·4	290·9	4th	304·3	..	..	0	— 1
550	Quetta	30 11	67 3	1677	827·3	..	— 0·6	306·2	310·5	15th	286·7	281·5	1st	296·4	*296·0*	—0·4	0	— 1
551	Peshawar	34 2	71 37	339	960·8	997·6	— 1·3	315·9	320·8	12th	298·6	294·7	10th	307·3	*307·1*	+1·2	0	— 1
551*a*	Lahore	31 34	74 20	214	973·0	996·2	— 1·8	314·7	319·3	16th	301·6	295·1	27th	308·1	*307·9*	+1·0	33	— 1
552	Simla	31 7	77 8	2205	776·9	..	— 0·8	297·2	299·9	12th	289·6	284·8	1st	293·4	*293·0*	+0·6	72	+ 1
552*a*	Leh	34 10	77 42	3503	665·4	..	— 0·2	290·4	296·3	18th, 29th	278·6	274·1	1st	284·5	*283·9*	—2·9	13	— 1
559	Hankow	30 35	114 17	37·0	1000·9	1005·1	— 0·3	300·8	308·5	23rd	294·2	290·6	7th, 12th	297·5	*297·1*	—1·6	358	+145
560	Tientsin	39 10	117 10	5·0	1005·9	1006·4	+ 1·9	302·5	310·7	26th	291·2	286·6	5th	296·9	*296·2*	—1·0	85	+ 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1005·9	— 0·4	299·1	306·6	17th	291·6	285·4	1st	295·4	294·3	—1·7	257	+ 5
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1000·4	1008·3	+ 1·4	297·1	302·2	16th	288·1	281·7	2nd	292·6	292·0	—0·3	138	+ 5
562*a*	Nagasaki	32 44	129 52	133	991·3	1006·7	— 1·7	296·5	302·1	8th	290·7	285·3	3rd	293·6	293·3	—1·2	659	+150
563	Kyoto	35 1	135 44	42·9	1003·5	1008·6	0·0	297·0	302·9	25th	288·9	281·4	4th	292·9	292·5	—1·5	371	+ 1
564	Tokyo	35 41	139 45	21·3	1007·4	1009·8	+ 0·6	295·5	300·5	23rd	288·6	282·7	3rd	292·1	291·8	—1·7	206	— 1
565	Kanayama	37 53	140 16	24·6	1007·6	1010·4	+ 1·2	294·5	301·5	16th	285·7	277·0	4th	290·1	289·8	—1·4	110	— 1
566	Miyako	39 38	141 59	30·4	1006·9	1010·6	+ 1·2	293·2	301·4	16th	284·2	274·6	4th	288·7	288·3	—0·5	55	— 1
		N.	E.															

JUNE—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1019·3	+ 1·3	301·1	303·0	25th	293·8	288·6	4th	297·4	*296·9*	..	14	..
605	Honolulu	21 19	157 52	11·6	1015·6	1016·9	— 0·3	301·5	303·0	..	295·9	294·1	..	298·7	*298·6*	+0·9	8	— 2
614	La Paz	24 10	110 20	12	1007·0	1008·3	..	311·2	317·8	27th	289·6	287·0	16th	300·4	..	..	0	..
615	Chihuahua	28 38	106 4	1423	858·0	1006·8	..	304·5	306·5	26th	290·8	287·7	14th	297·7	*297·6*	..	20	..
616	Leon	21 7	101 41	1809	819·1	1004·0	— 1·1	302·7	306·4	8th	289·1	287·0	26th	295·9	*296·2*	+1·4	51	..
616*a*	Monterry	25 40	100 18	528	951·1	1009·1	..	306·6	311·5	25th	295·5	293·2	11th	301·0	*300·4*	..	16	..
617	Tulancingo	20 5	98 22	2180	792·1	..	..	296·3	299·0	..	283·9	279·0	..	290·1	289·8	—0·8	24	— 2
618	Galveston	29 18	94 50	16·5	1012·2	1014·2	0·0	302·4	306·3	1st	297·6	293·6	9th	300·0	*299·8*	—0·4	126	+ 8
618*a*	New Orleans	29 57	90 4	16·2	..	1015·2	+ 0·5	304·3	306·9	30th	296·3	293·0	3rd	300·3	*299·9*	+0·5	240	+ 8
619	Merida, Yuc.	20 58	89 38	22	1010·1	1012·6	..	304·8	306·4	6th, 10th	295·9	295·0	16, 17, 30	300·3	*299·7*	..	80	..
620	Havana	23 8	82 21	24·3	..	1015·0	— 0·1	303·8	306·4	17th	296·6	295·3	12th	300·2	*299·7*	+0·2	42	— 6
620*a*	Key West	24 33	81 48	6·7	1014·2	1014·9	— 0·6	303·2	305·2	30th	298·0	295·8	1st	300·6	*300·5*	—0·4	104	— 6
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	303·6	..	..	298·1	..	..	300·8	*300·8*	+0·5	107	— 6
622	Watling Island	24 6	74 26	33·5	1011·7	1015·5	— 1·3	..	305·2	19th, 20th	..	296·3	3rd	..	*299·8*	..	..	..
633	Izaña	28 19	16 30	2367	769·7	..	..	291·3	298·8	25th	281·7	273·6	1st	286·5	*285·5*	+0·5	0	— 1
634	La Laguna	28 28	W16 20	547	955·8	1018·9	+ 1·4	294·3	299·3	28th	285·9	280·7	18th	290·1	*289·5*	—1·2	16	+ 1
641	Siwa	29 12	E 25 29	—23	1014·6	1011·9	..	?308·4	?314·4	9, 10, 12	..	..	..	..	..	..	0	..
643	Cairo (Helwan)	29 52	31 20	116	997·1	1010·3	— 0·4	307·1	316·2	17th	292·7	290·7	4th	299·9	*299·6*	—0·3	2	+ 1
643*a*	Aswan	24 2	32 53	99·6	995·0	1005·9	— 1·6	315·9	320·1	11th	298·3	294·0	6th, 21st	307·1	*306·6*	+1·5	..	..
644	Tor	28 14	33 37	1·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
647	Bushire	28 59	50 53	4·3	1000·1	1000·6	— 0·2	306·7	314·6	7th	300·6	297·3	23rd	303·6	*302·9*	+0·5	0	— 1
648	Jask	25 44	57 47	4·0	998·4	998·9	— 1·2	309·6	316·6	27th	298·3	295·8	3rd	303·9	*303·2*	—1·1	0	— 1
649	Karachi	24 53	66 57	4·0	999·5	1000·0	— 0·4	305·3	306·4	15th	301·1	299·3	5th	303·2	*302·5*	—0·2	1	— 2
650	Jacobabad	28 17	68 29	56·7	989·6	995·8	— 1·7	316·9	322·1	17th	302·3	295·8	1st	309·6	*309·1*	—0·7	21	+ 1
651	Jaipur	26 56	75 52	436	951·8	998·5	— 1·1	314·6	318·3	13th	301·9	296·9	24th	308·3	*307·6*	+2·0	5	— 2
652	Nagpur	21 8	79 5	310	966·8	1000·9	— 0·8	309·2	316·9	2nd, 4th	299·1	295·8	21st	304·1	*303·1*	—0·6	155	— 2
653	Allahabad	25 25	81 51	94·1	987·7	997·5	— 1·1	313·1	319·2	4th, 7th	301·8	296·3	25th	307·4	*306·7*	+0·7	96	— 2
653*a*	Darjeeling	27 3	88 18	2266	771·4	..	— 1·2	293·0	295·6	20th	287·0	285·0	1st	290·0	*289·6*	+0·9	442	+ 6
654	Calcutta	22 36	88 23	6·4	998·5	999·3	— 1·5	305·7	308·3	9th	299·4	295·8	25th	302·6	*302·4*	+0·2	362	+ 6
655	Gauhati	26 8	91 41	59·7	995·3	1002·1	— 1·0	303·6	307·9	29th	297·1	293·7	11th	300·3	*299·6*	—0·9	325	— 4
655*m*	Cherrapunji	25 15	91 42	1314	862·5	..	— 0·9	294·6	298·3	20th	290·4	286·7	6th	292·5	*292·0*	—0·6	2758	+1121
655*a*	Akyab	20 11	92 56	6·1	1002·0	1002·7	— 1·5	302·7	305·7	4th	297·9	294·7	8th	300·3	*300·4*	—0·4	1052	+ 2
656	Mandalay	21 59	96 0	76·2	995·4	1003·9	— 0·8	309·6	311·4	27th, 28th	299·0	296·2	3rd	304·3	*303·5*	+0·9	166	+ 2
656*a*	Tengyueh	25 2	98 33	1625	..	..	..	296·1	299·7	20th	289·7	286·9	6th	292·9	*292·3*	0·0	252	+ 1
657	Phu Lien	20 48	106 38	116	988·8	1002·0	— 1·9	304·6	309·0	6th	298·1	295·0	8th	301·4	*300·9*	—0·3	227	+ 1
658	Moncay	21 31	107 51	9	1001·1	1002·1	— 1·8	304·2	306·5	29th	297·9	295·3	1st	301·0	*300·7*	—0·2	513	— 2
659	Hongkong	22 18	114 10	33·2	..	1004·5	— 1·6	302·6	304·8	23rd	298·4	295·3	3rd	300·5	*300·2*	0·0	374	— 3
660	Amoy	24 27	118 4	ca.3	1005·7	1006·0	— 0·8	302·3	305·8	15th	297·5	291·9	2nd	299·9	*299·7*	—0·3	135	— 3
661	Taihoku, Formosa	25 2	121 31	9·3	1005·1	1006·2	— 0·8	304·7	307·2	17th, 27th	296·1	292·4	1st	300·4	*299·8*	+0·1	373	+ 0
661*a*	Basco	20 28	121 59	18·7	1002·7	1005·1	— 2·0	304·3	306·3	26th	298·3	295·5	3rd	301·3	*301·2*	—0·2	354	+200
662	Naha	26 13	127 41	10·5	1006·2	1007·4	— 1·4	302·9	305·9	15th	296·3	289·6	3rd	299·6	*299·5*	+0·1	178	— 9
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1010·5	1011·0	— 1·7	301·2	304·1	26th	295·7	287·7	4th	298·5	298·3	—0·3	291	+ 18
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.
φ For Cairo *see* No. 643.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. JUNE—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′															
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	954·3	1010·6	..	303·2	305·2	17th, 18th	297·4	296·2	1st	300·3	*299·1*	..	131	..
716	Morelia	19 42	101 7	1923	808·3	1005·1	..	297·8	301·0	7th	291·3	289·2	11th	294·6	*293·7*	..	130	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·0	..	— 0·6	299·2	303·4	6th	283·5	280·8	5th	291·3	290·2	+0·5	134	+ 30
718	Salina Cruz	16 12	95 12	56	1004·0	1010·4	..	303·7	307·1	4th	297·0	293·5	23rd	300·3	*299·8*	..	311	..
719	San Salvador	13 42	89 13	682	934·8	1010·3	+ 0·1	303·2	307·2	13th	291·7	290·0	30th	297·5	*295·7*	—0·7	413	+ 89
720	Belize	17 29	88 12	5·2	1009·8	1010·3	— 0·3	..	..	..	296·2	293·6	7th	..	‡*298·7*	..	227	— 61
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·8	— 0·5	303·4	304·9	sev. dates	295·6	293·9	29th	299·5	*299·6*	—0·1	114	— 25
722	Port au Prince	18 33	72 20	37·4	1009·9	1014·2	— 0·4	305·8	308·0	17th	295·9	293·9	9th	300·8	*300·0*	—0·3	86	— 2
723	Caracas	10 30	66 55	1042	899·7	1014·3	+ 0·2	297·7	301·0	4th	288·2	286·9	28th	292·9	*292·1*	—1·4	230	+123
724*a*	Montserrat	16 41	62 9	39·6	1010·7	1015·2	— 0·3	305·1	306·3	sev. dates	296·9	?294·1	1st	301·0	*300·5*	+0·4	24	— 85
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·7	‡1012·5	— 0·8	301·6	303·6	7th	296·3	294·1	2nd	298·9	*298·4*	—0·2	249	+ 38
725	Barbados	13 8	59 36	55·2	..	1014·0	— 0·4	303·3	304·4	9th	297·1	296·1	17th	300·2	*300·0*	+0·9	40	— 70
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·2	1015·4	+ 0·2	298·3	301·0	15th	..	..	..	..	*297·7*	+1·2	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	? 40	1009·5	1014·1	— 1·3	300·5	304·2	9th	294·9	293·6	1st, 4th	297·7	*297·8*	—0·2	0	0
733	Bathurst	13 27	16 36	1·8	1013·9	1014·1	+ 0·9	304·8	308·0	9th	295·7	294·1	1st, 2nd	300·2	*300·1*	+0·6	27	— 48
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	310·4	316·3	4th	297·7	294·1	2nd	304·0	..	+0·7	83	— 33
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	*305·1*	..	32	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	307·6	310·8	29th	296·2	292·4	23rd	301·9	*301·4*	—1·2	159	+ 56
738	Kaduna Capital	10 32	7 25	637	944·1	1015·0	+ 0·7	302·1	305·2	5th	292·4	289·1	2nd	297·2	*296·6*	—0·5	142	— 54
739	Hadejia	12 40	10 5	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
740	Maiduguri	11 47	13 11	361	..	..	..	310·9	315·8	9th	296·9	293·6	3rd	303·9	*303·3*	—0·2	69	+ 14
741	El Fasher	13 32	25 18	730	..	..	..	311·7	314·9	12th	295·0	290·9	8th	303·4	*302·4*	..	15	..
743	El Obeid	13 11	30 14	569	..	..	..	311·0	314·6	8th	297·1	293·6	13th	304·0	*302·8*	+0·5	20	— 10
743*a*	Khartoum	15 37	32 33	390	962·8	1004·6	— 2·0	314·0	317·4	11th	298·9	293·9	3rd	306·5	*307·7*	+0·6	8	0
744	Port Sudan	19 37	37 13	5·5	1005·0	1005·6	— 0·1	312·8	319·2	30th	298·8	296·5	8th, 10th	305·8	*305·0*	+0·7	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1002·0	1003·0	— 1·0	316·3	318·6	13th, 29th	303·1	300·2	2nd, 14th	309·7	*309·3*	+0·9	0	0
746	Aden	12 45	45 3	28·7	1000·5	1003·8	— 1·5	308·1	309·4	5th	302·4	301·2	19th	305·2	*304·9*	+0·3	0	— 2
751	Bombay	18 54	72 49	11·3	1003·5	1004·7	— 0·5	304·7	307·7	8th	299·9	296·6	21st	302·3	301·8	+0·5	679	+202
752*p*	Kodaikanal	10 14	77 28	2343	768·5	..	— 0·8	292·2	295·6	1st	284·9	283·7	30th	288·6	*287·6*	+0·4	104	+ 2
752*a*	Bangalore	12 59	77 38	920	906·6	1006·4	— 0·6	302·7	305·4	1st	292·6	291·3	17th	297·6	*296·6*	+0·3	90	+ 16
753	Madras	13 4	80 14	6·7	1003·4	1004·2	— 1·4	311·2	314·5	2nd	300·9	298·6	13th	306·1	*305·3*	+1·0	17	— 28
754	Vizagapatam	17 42	83 19	11·6	999·2	1000·5	— 1·7	307·3	313·4	6th	301·3	299·2	28th	304·3	*303·6*	..	24	—101
755	Port Blair	11 40	92 40	18·0	1004·2	1006·3	— 1·2	302·7	304·0	2nd	298·4	296·6	13th	300·6	*299·9*	—0·1	283	—206
756	Rangoon	16 46	95 48	5·5	1005·8	1006·5	— 0·3	303·3	305·7	10th	297·6	296·2	25th	300·4	*299·3*	—0·1	616	+161
757	Saigon	10 47	106 42	11	1006·3	1007·5	0·0	304·4	306·0	8th	296·4	295·1	23rd, 24th	300·4	*299·9*	—0·6	419	+130
758	Nhatrang	12 15	109 12	3·6	1004·3	1004·7	— 1·6	305·9	307·5	29th	297·4	296·2	2nd, 3rd	301·7	*301·1*	+0·1	3	— 53
759	Bolinao	16 23	119 53	7·1	1004·0	1004·9	— 1·6	305·3	307·0	9th, 23rd	297·6	296·2	5th	301·5	*300·5*	—0·4	338	— 43
761*a*	Manila	17 34	120 23	12·2	..	1006·1	— 1·4	305·1	307·8	16th	297·2	295·6	4th	301·1	301·0	0·0	372	+ 85
762	Ormoc	14 35	120 59	14·2	..	1007·2	— 0·6	305·4	306·7	1st	297·2	295·7	26th	301·3	300·4	—0·4	328	+ 93
765	Guam, Ladrone Is.	11 0	124 36	5·6	1006·7	1007·4	— 0·5	305·8	307·1	5th	295·8	295·0	18, 24, 28	300·8	*300·0*	+0·3	175	— 26
		13 24	144 38	20·4	1006·0	1008·5	— 0·7	303·6	305·2	16th	298·0	295·7	28th	300·8	*301·1*	0·0	202	+ 64
		N.	E.															

Between Latitude 10° N. and 0° JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1009·9	— 0·4	303·3	305·8	1st	297·1	295·8	16th	300·2	*299·8*	+0·7	386	+ 46
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	88	+ 29
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·2	..	— 0·5	297·7	300·0	10th	288·1	286·5	17th, 30th	292·9	*291·8*	+0·1	89	—106
823	El Peru, Guayanavieja	7 19	61 49	220	986·2	1011·2	— 0·2	303·1	304·8	1st	293·4	292·2	9th, 10th	298·2	*297·6*	—0·2	269	+ 84
824	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·1	+ 0·8	302·2	303·6	20th	296·7	295·2	14th, 15th	299·4	*299·4*	—0·4	537	+240
826*a*	Paramaribo	5 49	55 9	3·7	‡1013·9	‡1014·3	+ 0·5	302·6	304·8	27th	295·6	293·7	19th	299·1	*297·6*	—0·3	281	— 18
	Cayenne	4 56	52 21	6	..	..	..	304·5	306·0	3rd, 25th	294·1	293·0	11th, 22nd	299·3	*297·1*	—0·3	541	+147
833	Konakri	9 4	13 42	16	..	..	..	..	..	..	296·5	294·0	9, 17, 24	..	‡*301·0*	+1·1	408	—105
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·0	1011·8	— 0·2	302·8	304·7	6th, 12th	..	..	..	..	‡*300·0*	—0·5	389	—120
835	Assuantsi	5 18	1 15	101	..	..	..	302·3	304·7	21st	293·9	291·9	6th	298·1	*297·5*	..	217	..
836	Accra	5 33	W 0 12	25·1	1008·3	1011·2	— 0·2	302·6	305·8	8th	295·0	293·0	15th	298·8	*298·3*	+0·5	219	+ 41
837	Lagos	6 27	E 3 24	6·7	1010·0	1010·7	— 3·6	302·8	304·1	..	297·2	294·1	..	300·0	*299·6*	+0·7	390	— 84
838	Zungeru	9 48	6 10	130	..	..	..	304·9	308·0	29th	293·9	290·8	2nd	299·4	*298·8*	—0·6	226	+ 63
839	Yola	9 12	12 30	259	..	..	..	305·0	309·7	6th	..	..	..	..	‡*299·3*	—0·2	235	+ 97
841	Wau	7 42	28 3	440	..	..	..	?310·4	?312·5	14th	290·3	288·0	15th	?300·4	*?299·0*	+0·2	85	— 84
843	Malakal (Kodok)	9 35	31 37	394	965·9	1010·0	+ 0·2	306·3	311·5	2nd	294·5	292·0	3rd	300·4	*298·8*	+0·1	165	+ 29
843*a*	Mongalla	5 11	31 47	439	961·0	1009·9	+ 0·3	..	..	..	293·4	291·0	11th	..	..	..	120	+ 3
851	Entebbe	0 5	32 29	1171	884·3	1011·1	— 0·5	297·6	298·9	24th	289·4	288·0	23rd	293·5	*293·0*	—0·5	163	+ 33
851*a*	Minicoy	8 17	72 49	2·1	1009·3	1009·5	— 0·3	..	..	..	..	..	..	..	..	..	326	+ 45
852	Cochin	9 58	76 27	2·7	1008·4	1008·8	— 0·8	302·4	304·6	3rd	297·1	295·6	8th	299·7	*299·0*	0·0	578	—144
852	Colombo Observatory	6 54	79 53	7·3	..	1008·1	— 0·4	303·6	304·3	13th	299·1	296·7	27th	301·3	*300·6*	+0·7	38	—158
854	Nuwara Elija	6 59	80 14	1886	811·7	1009·1	..	292·7	295·1	2nd	286·2	285·1	1st, 17th	289·4	*288·7*	+0·9	157	—172
	Trincomalee	8 34	81 14	30·2	..	1004·8	— 0·4	307·9	310·1	3rd	298·4	297·0	8th	303·1	*302·4*	+0·4	70	+ 37
855	Kuta Raja	5 32	95 20	7·1	..	1009·1

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	302·2	305·0	1st	295·5	293·0	22nd	298·8	*298·3*	−1·4	109	+ 3
926	Taperinha	2 30	54 20	20·0	1010·0	1012·2	− 0·1	301·6	304·4	30th	295·1	293·4	30th	298·4	*297·2*	−0·3	208	+ 40
927	Turyassu	1 43	45 26	15·1	1010·1	1011·8	− 0·4	304·0	306·2	8th	293·7	292·5	27th	298·8	*297·8*	−0·6	204	+ 36
928	Barra do Corda	5 30	45 16	81·0	1001·8	1011·3	− 0·6	304·0	306·0	3rd	290·9	288·6	27th	297·4	*296·6*	−0·9	26	− 7
929	Quixeramobim	5 16	39 15	207	990·5	1013·9	+ 0·2	301·4	303·0	3rd	294·5	293·3	1st	298·0	*298·0*	−1·3	31	− 1
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E13 13	59·3	..	1014·5	− 0·2	298·7	301·5	30th	293·5	292·5	21, 23, 25	296·1	295·7	+1·4	0	− 5
940	Brazzaville	4 17	15 16	320	‡976·2	‡1012·2	..	303·1	307·0	30th	294·9	292·0	23rd	299·0	*298·4*	+2·5	0	− 5
943	Masaka	0 21	31 47	?1280	..	..	..	298·4	?299·1	10, 11, 13	288·3	?286·3	20th, 21st	293·3	*292·7*	+0·4	14	− 5
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	295·8	300·2	11th, 13th	284·1	280·2	4, 7, 29	289·9	..	..	43	− 5
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	294·7	299·7	11th	..	..	..	..	..	..	43	− 5
944*a*	Zanzibar	6 10	39 11	21·9	1014·4	1017·0	− 1·3	300·5	301·8	10th	296·4	295·3	22nd	298·4	*297·9*	−0·2	12	− 6
945	Lamu	2 16	40 50	3·1	..	..	..	301·3	302·4	9th	296·9	295·2	17th	299·1	*298·7*	−1·0	9	− 6
947	Seychelles, Port Office	4 37	55 27	4·6	1010·5	1011·0	− 1·0	302·8	302·9	12th	298·1	296·0	23rd	300·4	*299·8*	+1·5	57	− 5
957	Padang	0 56	100 22	6·7	..	1009·2	− 1·9	..	..	..	..	..	..	..	..	..	36	− 8
958	Batavia	6 11	106 50	8·0	1008·4	1009·3	− 0·5	303·0	304·6	1st	296·3	294·4	30th	299·7	299·2	0·0	440	+17
958*a*	Pontianak	0 1	109 20	2·6	..	1009·4	− 0·5	..	..	..	..	..	..	..	..	..	97	+ 1
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	238	+ 1
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	22	− 12
962	Amboina	3 42	128 10	4·2	..	1009·4	− 0·6	..	..	..	..	..	..	..	..	..	56	− 9
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	372	−25
965	Daru	9 4	143 13	7·6	..	1010·0	− 1·5	301·0	..	..	..	..	..	..	..	..	162	− 7
966	Port Moresby	9 29	147 9	39·0	..	1010·5	− 0·4	302·2	..	..	297·3	..	..	299·1	*298·8*	+0·2	72	− 7
967											297·1	..	..	299·6	*299·2*	+0·4	..	..
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·6	1010·8	+ 0·7	303·3	305·4	28th	297·0	295·8	10th	300·1	*299·9*	−0·1	247	+ 58
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	..	..	303·6	304·1	14th, 25th	298·2	296·3	13, 27, 28	300·9	*300·2*	0·0	17	−115

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1013·9	+ 2·3	302·1	304·8	20th	295·9	293·5	12th	299·0	298·5	+0·1	102	− 2
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·1	301·9	5th, 6th	293·4	290·2	14th	296·7	*296·5*	+0·4	45	− 4
1021	Arequipa	16 22	71 33	2451	..	..	..	292·1	295·9	11th	281·6	277·3	17th	286·9	*286·2*	0·0	0	− 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·6	294·4	1st	285·9	285·0	30th	289·3	..	..	0	− 1
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·2	..	..	287·6	293·5	11th	274·2	268·4	8th	280·9	*280·6*	..	0	− 2
1025	Corumba	18 59	57 39	116	1002·7	1016·4	+ 1·9	294·7	304·0	1st	286·0	278·0	9th	290·4	*289·8*	−4·1	69	+ 24
1026	Cuyaba	15 36	56 6	165	995·4	1014·5	+ 0·9	299·9	307·0	25th, 26th	287·6	278·5	9th	293·8	*293·6*	−3·6	53	+ 4
1027	Bello Horizonte	19 55	43 57	895	..	..	..	..	..	..	..	..	..	..	*290·2*	+0·2	..	..
1028	Caetite	14 3	42 37	897	918·0	1017·7	+ 0·1	297·6	302·8	3rd	287·8	285·9	28th	292·7	*293·5*	+0·5	15	+ 3
1029	Ondina (Bahia)	13 0	38 31	46·6	1010·7	1016·1	− 0·2	298·5	299·8	6th	294·3	293·3	11th	296·4	*296·6*	−0·3	294	+ 34
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	945·8	1012·1	− 1·1	295·4	298·0	1st	285·6	284·6	7th, 29th	290·5	*290·5*	+1·4	164	+ 61
1039	Mossamedes	15 11	E12 9	12·5	..	..	..	296·6	..	..	287·2	..	..	291·9	..	..	..	..
1042	Gwelo	19 28	29 48	1417	864·1	1019·5	− 1·3	296·1	299·7	11th, 12th	278·8	274·7	18th	287·4	..	+1·2	4	+ 2
1043	Salisbury Gaol, Rhodesia	17 48	31 5	1457	857·9	1017·3	− 2·9	295·7	299·8	13th	279·1	275·2	27th	287·4	*286·5*	+0·6	0	− 1
1044	Zomba	15 23	35 18	955	910·2	1016·7	− 1·7	296·9	300·8	11th, 12th	285·1	281·9	26th	291·0	*290·3*	+0·8	2	− 1
1045	Antananarivo	18 55	47 32	1400	867·1	1021·3	− 0·3	293·7	296·2	13th	282·2	278·9	24th	288·0	*287·0*	−0·1	1	− 1
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·5	1012·0	0·0	301·2	303·4	27th	297·6	294·8	12th	299·4	*299·1*	0·0	235	− 1
1057	Christmas Island	10 25	105 43	5·5	1008·2	1008·8	+ 0·1	304·8	305·8	..	297·0	295·8	..	300·9	*300·1*	+1·0	55	− 99
1061	Kupang	10 10	123 34	45·1	..	1010·5	− 0·7	304·9	308·2	2nd	295·4	291·2	9th	300·1	299·5	..	0	− 11
1061*a*	Derby	17 18	123 40	16·2	1012·6	1014·5	− 0·1	303·9	306·8	3rd	290·4	285·8	9th	297·2	..	+1·5	0	− 14
1062	Hall's Creek	18 13	127 46	374	972·7	1015·6	− 0·7	300·6	305·8	2nd	285·3	280·2	14th	293·0	*292·3*	+1·3	0	− 5
1063	Darwin	12 28	130 51	29·6	1007·6	1011·0	− 0·9	305·6	307·8	10th	295·9	293·0	29th	300·8	*299·6*	+1·7	10	+ 2
1064	Daly Waters	16 16	133 23	211	987·8	1011·9	− 2·3	302·5	306·3	1st	289·1	284·1	29th	295·8	*295·1*	+1·5	0	− 7
1065	Mein	13 13	142 47	122	996·7	1010·8	− 0·8	302·2	303·8	11th	292·3	287·3	6th	297·2	*296·6*	+0·6	11	+ 1
1066	Georgetown, Queensland	18 22	143 32	302	980·3	1014·8	− 0·3	302·2	306·3	1st	289·6	283·0	26th	295·9	..	+2·4	4	− 7
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1011·8	− 0·2	300·8	..	..	296·8	..	..	298·8	*298·6*	+0·3	353	+ 65
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	..	1015·8	+ 0·7	301·8	304·4	6th	293·6	290·4	28th	297·7	*297·5*	+1·0	128	− 28
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	294·9	297·4	3rd	293·4	289·7	29th	294·2	*294·0*	−0·7	167	+ 58
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1016·2	1019·5	+ 1·9	287·4	289·8	4th	281·3	278·8	16th	284·3	*284·4*	−0·7	25	− 15
1122	Iquique	20 12	70 11	9	1015·9	1017·0	+ 1·3	290·7	291·9	27th	286·2	284·1	6th, 7th	288·5	*289·0*	−0·3	0	0
1123	Catamarca	28 27	65 47	510	957·6	1018·2	+ 2·5	290·3	297·3	12th	273·6	269·9	17th	281·9	281·0	−3·4	0	− 3
1124	Salta	24 46	65 28	1178	884·3	1018·2	+ 1·2	289·7	297·5	1st	274·3	267·6	27th	282·0	281·2	−2·9	0	− 1
1125	Goya																	
1126	Asuncion	29 9	59 15	26	1014·5	1017·7	+ 0·2	293·3	304·9	12th	280·4	273·0	16th	286·9	284·3	−2·4	24	− 16
1127	Curityba	25 21	57 37	93	1007·2	1018·3	+ 1·7	296·3	305·0	13th	282·0	272·5	21st	289·2	288·3	−1·6	94	+ 33
1128	Rio de Janeiro	25 25	49 17	908	915·9	1019·7	− 0·8	290·2	296·6	2nd	278·3	268·2	11th	284·2	*283·8*	−1·2	130	+ 32
1139	Windhoek	22 54	W43 10	61·4	1012·2	1019·4	+ 0·2	296·7	303·4	15th	290·7	286·3	10th	293·7	293·4	−0·2	57	− 1
1140																		
1141	Kimberley	22 35	E17 5	1680	..	..	..	292·9	295·8	13th	278·5	275·6	21st, 22nd	285·7	*285·6*	−0·5	0	− 1
1141*a*	Johannesburg	28 42	24 47	1202	885·0	1021·5	− 2·6	291·0	295·3	29th	274·1	268·7	23rd	282·5	282·1	−0·3	1	− 5
1142	Pretoria (Brooklyn)	28 4	28 4	1806	863·8	1020·5	− 2·0	289·6	294·1	28th	278·4	271·9	23rd	284·0	*283·5*	+0·6	0	− 4
1142*a*	Bulawayo	25 46	28 13	1400	864·7	1020·0	− 1·8	293·6	298·6	12th	276·6	272·4	20th	285·1	*284·6*	+1·5	2	0
1143	Durban	29 52	31 3	15·2	1015·2	1017·0	− 5·8	296·4	300·3	30th	284·3	280·8	24th	290·3	*289·8*	−0·4	3	− 26
1144	Lourenço Marques	25 58	32 36	59	..	1017·5	− 3·9	299·5	306·3	13th	286·9	283·3	24th	293·2	292·7	+1·4	3	− 11
1147	Mauritius	20 6	57 33	55·2	1011·3	1017·8	− 1·2	296·9	298·3	1st	288·8	285·4	26th	292·9	292·7	−0·9	15	− 56
1159	Onslow	21 43	114 57	4·3	1015·1	1015·6	+ 0·1	300·1	303·4	18th	285·2	280·0	30th	292·7	..	+0·8	3	− 42
1160	Peak Hill	25 38	118 47	588	950·7	1018·5	+ 0·9	293·4	298·6	12th	282·4	279·4	30th	287·9	..	+0·9	6	− 30
1161	Nullagine	21 53	120 5	386	972·4	1017·0	− 0·4	296·7	300·7	3rd	283·6	279·0	28th	290·2	..	+0·7	43	+ 16
1162	Laverton	28 40	122 23	466	965·4	1019·9	− 0·2	291·9	296·6	11th	279·8	274·7	30th	285·9	*285·8*	+0·8	35	+ 11
1163	Alice Springs	23 38	133 37	587	950·2	1018·0	− 1·9	292·8	300·2	3rd	280·0	273·6	27th, 28th	286·4	*286·1*	+1·0	74	+ 59
1164	William Creek	28 55	139 21	76·2	1010·0	1019·1	− 0·8	292·0	294·4	12th, 15th	280·7	273·8	28th	286·3	*286·0*	+1·1	53	+ 37
1164*a*	Boulia	22 55	139 38	146	998·8	1016·0	− 0·8	296·7	303·7	4th	285·1	279·7	21st	290·9	*290·6*	+2·5	112	+102
1165	Thargomindah	27 58	143 43	123	1003·8	1018·5	+ 0·1	293·4	299·8	16th	282·4	276·9	21st	287·9	*287·6*	+1·4	6	− 16
1166	Mitchell	26 32	147 52	336	979·9	1018·7	..	293·4	299·7	1st	283·1	274·8	21st	288·3	..	+3·5	127	+ 84
1167	Rockhampton	23 24	150 30	11·3	1016·2	1017·6	− 0·2	297·4	304·2	1st	289·3	283·7	27th	293·4	*292·9*	+3·0	182	+132
1168	Brisbane	27 28	153 2	41·7	1015·0	1020·0	+ 1·9	294·8	299·8	1st	286·7	280·7	19th	290·7	*290·1*	+2·0	203	+136
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1019·6	1021·5	+ 4·4	293·1	296·1	1st	287·9	284·1	20th, 26th	290·5	*290·1*	+0·3	105	− 45

Between Latitude 30° S. and 40° S.

JUNE—ZONE 12.

1221	Juan Fernandez	33 37 S.	78 50 W.	10	1021·2	1022·4	+ 5·0	288·3	293·0	9th	281·3	279·6	6th	284·8	*285·8*	−0·8	121	− 58
1221*a*	Punta Tumbes	36 37	73 6	120	1006·7	1021·4	+ 4·8	285·5	290·0	11th	278·4	274·5	20th	281·9	*282·1*	−2·0	88	− 30
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1015·1	1020·1	+ 2·2	288·0	292·5	8th	279·6	275·8	16th	283·8	*283·2*	−2·1	138	− 6
1223	Santiago	33 27	70 42	520	959·1	1021·5	+ 3·4	287·2	295·3	8th	273·4	269·4	16th	280·3	*279·1*	−1·8	95	+ 12
1223*a*	Cordoba	31 25	64 12	423	967·5	1018·2	+ 1·0	291·1	302·4	..	270·8	265·5	..	280·9	280·3	−2·5	0	− 7
1224	Bahia Blanca	38 45	62 15	25	1012·8	1015·9	− 0·4	285·2	292·0	9th	275·2	269·0	16th	280·2	280·2	−1·3	8	− 17
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·1	1018·2	− 0·2	286·0	293·5	11th	275·3	269·3	17th	280·7	280·2	−3·4	53	− 15
1225*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1016·2	− 0·9	285·7	293·5	24th	279·6	274·1	21st	282·6	*282·4*	−1·5	60	− 29
1226	Porto Alegre	30 2	W51 13	23·5	1016·9	1019·7	0·0	292·1	301·9	1st	278·9	270·8	21st	285·5	284·8	−1·5	111	− 10
1230	Cape Town	33 56	E18 29	12·2	..	1014·3	− 5·8	289·5	298·0	3rd	283·1	276·9	12th	286·3	*285·1*	+0·1	201	+ 86
1240	Danger Point	34 37	19 18	27·7	1003·2	1006·5	..	289·4	300·8	3rd	282·5	275·2	17th	286·0	..	..	268	+164
1241	Riversdale	34 6	21 16	‡61	1001·6	1008·9	..	292·2	301·9	4th	279·2	272·4	14th	285·7	..	..	67	+ 31
1242	East London	33 1	27 54	9·8	1012·9	1014·1	− 7·5	297·4	303·0	6, 21, 30	282·8	278·6	24th	290·1	..	+1·3	2	− 32
1259	Perth (Observatory)	31 57	115 51	60·0	1011·2	1018·4	+ 0·6	292·2	294·6	8th	283·9	277·3	29th	288·1	*288·2*	+1·3	165	− 9
1260	Katanning	33 42	117 35	310	981·6	1017·7	+ 0·6	289·8	293·2	2nd	280·4	275·5	30th	285·1	..	+1·3	55	− 16
1261																		
1262	Coolgardie	30 57	121 10	423	969·3	1018·9	0·0	291·3	295·1	12th	280·2	274·8	30th	285·8	*285·7*	+1·3	33	+ 2
1263	Eucla	31 45	128 58	4·6	1016·8	1017·5	− 1·0	292·2	295·5	12th	282·1	278·3	22nd	287·1	*286·8*	+0·8	36	+ 9
1263	Streaky Bay	32 48	134 13	13·1	1017·6	1018·9	− 0·5	291·1	293·6	4th, 21st	283·1	278·0	25th	287·1	*286·8*	+1·5	55	− 16
1264	Adelaide	34 56	138 35	42·7	1014·8	1020·0	+ 0·9	290·2	293·5	13th	281·6	275·8	27th	285·9	285·1	+1·0	52	− 28
1266	Melbourne	37 49	144 58	35·1	1016·0	1020·3	+ 1·8	287·3	291·1	11th	280·9	273·6	27th	284·1	*283·7*	+0·9	40	− 13
1267	Bourke	30 13	145 58	111	1009·0	1022·2	+ 0·4	291·8	295·2	1, 10, 15	280·8	275·8	19th	286·3	..	+1·2	46	+ 18
1268	Sydney	33 51	151 13	40·5	1015·2	1020·1	+ 2·3	292·0	297·0	10th	282·4	279·1	21st	287·2	*286·2*	+1·6	23	− 98
	Lord Howe Island	31 20	159 0	4·6	1020·0	1020·5	+ 4·1	293·6	296·3	9th	287·3	281·5	24th	290·4	..	+0·7	181	− 9
1271	Auckland	36 50	174 50	38·1	..	1017·9	..	288·5	290·8	3rd	282·9	276·9	28th	285·7	..	+0·8	174	+ 51
1272	Napier	39 32 S.	176 53 E.	21·3	..	1015·6	+ 2·7	287·9	293·0	13th	279·7	273·6	30th	283·8	..	+0·7	61	− 1

Between Latitude 40° S. and 50° S.

JUNE—ZONE 13.

1301	Chatham Island	43 52 S.	176 42 W.	45·7	..	1009·4	..	..	..	..	..	..	..	..	..	..	96	+ 10
1321	Isla Guafo	43 34	74 45	140	996·6	1013·7	+ 0·3	282·1	284·8	6th	278·1	274·2	30th	280·1	*280·3*	−0·8	75	− 47
1322	Punta Galera	40 1	73 44	40	1014·6	1019·5	+ 4·7	283·5	286·0	9th	279·4	275·4	14th	281·5	*281·6*	−1·1	287	− 72
1323	Sarmiento	45 30	69 0	274	976·0	1007·9	..	281·7	288·0	7th	272·8	267·0	16th	277·3	276·8	+0·6	2	− 11
1324	Punta Madryn	42 49	W64 58	14	1010·6	1012·3	..	284·5	293·4	9th	275·2	268·8	15th	279·9	279·6	−0·5	17	− 3
1365	Launceston	41 27	E147 10	10·1	1015·1	1016·3	+ 0·8	286·4	289·6	13th	277·7	271·3	1st, 26th	282·0	*281·5*	+1·0	85	− 5
1366	Hobart	42 53	147 20	53·9	1008·2	1014·8	+ 0·6	286·3	289·2	21st	279·6	275·2	8th	282·9	*282·4*	+1·7	39	− 17
1370	Invercargill	46 25	168 21	3·7	..	..	..	283·1	287·4	1st	275·1	270·8	20th	279·1	..	0·0	149	+ 61
1371	Dunedin	45 52	170 31	91·4	..	1015·4	+ 2·8	279·9	283·0	1st, 15th	277·3	274·7	four days	278·6	..	−1·0	62	− 18
1371*a*	Christchurch	43 31	172 39	7·6	..	1015·3	+ 2·7	284·2	293·6	2nd	276·4	270·9	28th	280·3	..	+0·9	79	+ 12
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1015·9	+ 1·7	286·1	289·7	18th	280·6	272·4	29th	283·3	..	+0·6	85	− 36
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

JUNE—ZONE 14.

RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	992·0	998·7	— 4·1	279·6	282·6	13th	275·5	272·6	30th	277·5	*277·1*	−0·5	460	+2
1422	Puerto de Punta Arenas	53 10	70 54	28	993·9	997·3	— 5·7	277·6	281·6	7th	273·9	271·5	30th	275·7	*275·9*	+0·6	29	−
1423	Punta Dungeness	52 24	68 26	5	996·3	996·9	— 5·1	278·6	283·0	7th	273·9	272·4	1st	276·3	*276·6*	+0·3	7	−
1424	Santa Cruz	50 11	68 21	12	999·0	1001·4	— 4·6	279·2	286·2	7th	272·9	269·5	5th	276·1	275·9	+0·9	14	−
1424*a*	Año Nuevo	54 39	64 8	50	989·5	995·6	— 3·8	277·5	280·0	8th, 20th	275·1	267·4	16th	276·3	*276·0*	+0·4	49	−
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..		..	..		..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	996·8	999·4	— 3·2	278·6	281·3	8, 10, 23	273·4	267·4	15th	276·0	276·8	+0·7	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1004·8	1005·3	+ 7·2	273·7	282·7	25th	268·3	263·0	19th	271·0	*271·5*	−0·3	124	..

JUNE—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	1000·6	1001·5	+ 5·1	269·9	278·1	24th	264·0	246·4	16th	266·9	266·9	+3·4	26	—
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
		m/s.		9h. 17h.	7h. 21h.		9h.	8h. 20h.	9h.
1	SSE	1·5	..	Calm 0 Calm 0	W 1 S 1	..	SE 6	NE 2 Calm 0	N 2
2	Calm	1·2	..	NE 1 SW 4	S 1 S 1	..	SE 6	E 2 Calm 0	N 2
3	Calm	0·8	..	NE 2 Calm 0	S 1 S 1	..	SE 4	NE 3 Calm 0	NNE 2
4	Calm	0·9	..	NE 2 NE 2	SW 1 SW 2	..	SE 6	E 3 Calm 0	NNE 2
5	SE	6·8	..	SW 2 SW 3	SW 1 S 1	..	SE 6	E 3 Calm 0	NNE 3
6	SE	6·3	..	NE 2 Calm 0	SW 1 S 1	..	Calm 0	E 2 E 2	NNE 3
7	SSE	5·9	..	E 1 SW 3	Calm 0 S 1	..	SE 2	Calm 0 Calm 0	NNE 3
8	S	6·7	..	Calm 0 Calm 0	SW 1 S 2	..	SE 4	NE 3 E 3	SE 5
9	SSE	5·6	..	SW 2 NE 2	S 1 S 1	..	SE 4	NE 2 Calm 0	NE 5
10	SSE	5·4	..	NE 1 NE 2	S 1 S 1	..	SE 2	NE 2 Calm 0	SE 5
11	S	5·0	..	Calm 0 NE 1	S 1 S 1	..	SE 6	Calm 0 E 2	Calm 0
12	S	3·7	..	SW 2 SW 3	S 1 SE 1	..	SE 6	NE 3 Calm 0	SE 5
13	S	3·0	..	S 2 SW 3	S 1 S 1	..	SE 4	Calm 0 Calm 0	S 5
14	SSE	9·3	..	NE 3 NE 2	E 1 SW 1	..	SE 4	SE 3 E 2	E 4
15	SSE	9·9	..	E 2 SW 2	W 1 S 1	..	SE 4	E 3 Calm 0	NE 2
16	SSE	10·0	..	NE 1 SW 1	S 1 S 1	..	SE 4	E 3 Calm 0	NE 2
17	SSE	8·0	..	Calm 0 SW 3	S 1 S 1	Calm 0	SE 2	NE 3 Calm 0	Calm 0
18	S	6·1	..	NE 1 Calm 0	S 1 S 1	SW 1	SE 2	E 2 Calm 0	SSW 3
19	SE	6·0	..	SW 3 SW 3	S 1 S 1	SSW 1	ESE 4	Calm 0 E 2	Calm 0
20	SE	6·5	..	E 2 Calm 0	SW 1 S 1	..	SE 2	ENE 2 Calm 0	SE 3
21	SE	5·9	..	NE 1 SW 3	SW 1 S 2	..	SE 2	E 4 NE 2	SE 3
22	S	4·3	..	NE 2 SW 4	W 2 SW 2	..	SE 2	Calm 0 Calm 0	SE 3
23	S	5·2	..	NE 4 SW 2	SW 2 S 1	..	SE 2	Calm 0 E 4	NE 4
24	SSE	3·4	..	SW 1 SW 3	SW 1 S 1	..	SE 6	E 2 Calm 0	E 4
25	Calm	..	..	NE 2 SW 3	S 1 S 1	..	SE 4	NE 4 SE 4	NE 4
26	Calm	..	..	NE 2 SW 4	S 1 SW 2	..	SE 2	Calm 0 E 2	SE 3
27	S	..	..	SW 2 SW 1	W 2 SE 1	..	SE 4	SE 3 Calm 0	N 3
28	Calm	4·0	..	NE 3 SW 3	W 1 S 1	..	Calm 0	Calm 0 Calm 0	NW 3
29	S	7·2	..	NE 2 SW 1	S 1 S 1	..	Calm 0	Calm 0 E 2	NE 3
30	SSE	..	..	SE 2 SW 2	SW 1 SW 2	..	SE 4	SE 3 Calm 0	N 2
Mean	..	5·3	..	1·7 2·0	1·1 1·2	..	3·5	1·7 0·8	2·5
§Resultant	160° (74)	..	..	180° (9)	195° (81)	..	135° (89)	80° (44)	70° (45)
§Normal	136° (84)	6·4	‖102° (70)	267° (19)	245° (40)	87° (84)	131° (81)	‖109° (53)	97° (49)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 2608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1921.

‡‡ *Barents Sea* was free of ice to Novaya Zemlya. In the northern part the ice edge, consisting of large floes tightly packed, was more northerly than usual, lying almost along 76°N. Many icebergs, as usual, were observed both inside and outside the edge. The area covered was 561 × 10^3 sq. km. compared with a normal of 841 × 10^3 sq. km.

‡‡ *Spitsbergen.*—An ice belt varying from 30 to 50 miles in width extended from South Cape to Bell Sound, but further northward to Davis Island the ice was free of ice as also were all the fjords on the west coast. The ice belt alternately consisted of rather close ice or open ice with large icebergs.

‡‡ *Iceland.*—From the 7th to 13th open ice was observed about 7 miles north-west of Cape North. On the 9th and 11th scattered ice was met with between Skagataa and Cape North and on the 17th there was close ice from Ingolfsfjord to Cape North. On the 25th the sea became free of ice except for a little drift ice north of Cape North. The normal duration of average ice conditions is 7 days visible, 1 day heavy.

‡‡ *Greenland Sea and Denmark Strait.*—Between the 77° and 71° parallels the ice edge, consisting of scattered ice, was more westerly than usual, whereas from 71° to Cape North (Iceland) it consisted of close ice and was far more south-easterly than usual forming a tongue towards Langenaes. In Denmark Strait the edge was slightly more southerly than usual and at Angmagsalik there was open ice along the land with a few icebergs in the offing. The area covered was 983 × 10^3 sq. km. compared with a normal of 921 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—One hundred and seventy-five icebergs were observed on the Newfoundland Banks south of the 48th parallel, the northernmost being 72. The southmost occurred in 42½°N. the eastmost in 42½°W. Few floes were observed. Belle Isle Strait and the coasts of Belle Isle were free of ice but open ice was visible far offshore and icebergs were met with as far out as 200 miles east of Belle Isle.

‡‡ *Davis Strait and Baffin Bay.*—"Storis" extended from Cape Farewell to Frederikshaab, the edge of scattered ice lying about 60 miles offshore. This belt decreased in width during the month. At Arsuk there was a narrow land water. From Godthaab to Upernivik the coast was free of ice. An edge of west ice was observed in about 56°W., 65°N. The ice disappeared from Christianshaab and Umanak between the 14th and 21st. In Cumberland Sound, Blacklead Harbour was free of ice but there was pack ice on Kaxodluin Island.

‡‡ *Bering Sea.*—An edge of tight pack ice was met with just north of St. Lawrence Island which is about the normal position.

‡‡ *Isforholdene i de Arktiske Have*, 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1921

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **JULY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1012·2	..	283·3	296·9	10th	274·2	271·3	1st, 2nd	278·7	..	+1·1	23	− 4
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..		..	..		..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1008·3	1010·6	— 0·9	283·0	288·3	25th, 26th	274·9	271·5	3rd, 18th	278·9	*278·2*	+0·2	16	− 7
125	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..		..	..		..	..	..	..	..
135	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1010·5	1011·9	— 1·0	..	286·0	21st	277·4	274·4	2nd	..	279·2	+1·5	3	− 16
139	Björnöen	74 28	19 15	40·5	1006·0	1011·0	..	..	..		..	..		..	*277·3*	..	21	..
140	Gjesvaer	71 6	25 22	6·5	1008·6	1009·4	— 2·1	..	296·9	21st	280·6	277·9	5th	..	*282·7*	−0·1	54	+ 3
141	Mehavn	71 1	27 47	6·4	1009·2	1010·0	— 2·1	..	291·0	23rd	280·0	278·0	9th	..	*282·5*	−0·4	20	− 29
142	Vardö	70 22	31 8	10·0	1008·2	1009·4	— 2·3	..	286·6	24th	280·2	278·8	4th	..	*281·7*	+0·1	79	+ 32
143	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..		..	..		..	..	..	..	..
147	Waigatz	70 24	58 47	11·2	1003·8	1005·2	— 5·4	282·5	293·2	24th	277·3	273·3	2nd	279·9	*279·2*	..	107	..
148		N.	E.															

Between Latitude 70° N. and 60° N. **JULY—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1011·5	0·0	286·1	294·7	1st	279·8	275·2	22, 23, 24	283·0	*283·4*	−0·1	42	− 31
204	Candle	65 55	161 57	2·4	..	..	..	..	..		..	..		..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1012·8	+ 1·8	294·9	301·3	4th	281·4	274·1	21st	288·2	*289·0*	+0·5	24	− 37
206	Rampart	65 30	150 15	122	..	..	..	296·8	304·1	4th	282·1	275·8	20th	289·4	..	+0·7	24	− 12
207	Valdez	61 7	146 16	8·2	..	1017·3	+ 0·9	287·6	291·3	5, 6, 7	281·0	276·3	4th	284·3	*284·3*	−0·8	122	+ 41
208	Eagle	64 46	141 12	254	..	1011·8	+ 1·7	296·6	302·4	11th	281·6	274·1	22nd	289·1	..	+1·0	48	+ 4
209	Dawson	64 4	139 20	328	973·3	1011·6	— 1·9	296·3	303·0	11th	281·3	274·7	22nd	288·8	..	+0·5	31	− 20
211	Carcross	60 11	134 34	662	..	..	..	291·0	295·8	15th, 19th	278·2	273·6	31st	284·6	..	−0·8	33	+ 5
212	Fort Good Hope	66 15	128 31	65·2	1003·7	1011·5	..	296·4	303·6	12th	281·7	274·1	22nd	289·0	..	..	44	+ 30
	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..		..	..		..	..	..	..	..
213	Hay River	60 51	115 57	161	991·9	1010·1	— 0·4	294·9	304·1	19th	284·8	279·7	24th, 30th	289·8	..	+1·5	25	− 9
225	Jacobshavn	69 13	51 2	12·6	1008·7	1010·2	— 0·8	283·7	?287·1	16th	277·2	?273·9	9th	280·5	*281·0*	+0·3	..	..
226	Godthaab	64 11	51 43	9·0	1007·4	1008·5	— 1·5	285·0	290·0	29th	275·2	272·4	13, 21, 25	280·1	*279·1*	−0·5	..	..
227	Ivigtut	61 12	48 10	5·0	1009·4	1010·0	— 0·3	285·5	291·1	3rd	278·3	275·1	21st	281·9	*281·4*	−1·5	85	+ 2
229	Angmagsalik	65 37	37 33	31·7	1007·1	1011·0	— 0·8	283·2	287·3	22nd	275·2	271·0	27th	279·2	*278·7*	−0·9	40	− 11
231	Stykkisholm	65 5	22 46	20	1008·0	1010·4	+ 0·1	285·1	288·6	12th	280·0	276·1	25th	282·5	*282·1*	−0·6	64	+ 26
232	Vestmanno	63 26	20 15	7·7	1009·4	1010·3	+ 0·3	286·9	290·9	11th	280·1	276·6	27th	283·5	*283·1*	−0·6	106	+ 27
233*a*	Grimsey	66 33	17 58	22·0	..	..	..	282·5	291·8	14th	..	..	..	..	*280·1*	−0·1	..	..
234	Akureyri	65 40	18 4	35	..	1009·9	— 0·9	..	..		..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1009·4	1011·6	+ 1·0	286·8	295·6	18th	279·9	275·5	29th	283·3	*282·4*	+0·6	52	− 14
236	Thorshavn	62 3	6 45	26·3	1009·1	1012·3	+ 0·7	285·9	288·0	1, 4, 9	280·2	276·9	1st	283·1	*283·0*	−0·6	105	+ 25
	Lerwick	60 9	W 1 11	46·9	1008·4	1014·2	+ 3·0	285·8	289·7	18th	281·6	279·1	13th	283·7	*283·8*	−0·7	53	− 5
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1008·3	1013·6	+ 2·4	288·8	297·3	18th	282·6	279·5	6th	285·7	*285·3*	−2·0	185	+ 67
238	Aalesund	62 28	6 10	6·3	1012·6	1013·4	+ 2·3	..	291·6	26th	..	280·2	5th	..	*284·7*	−1·3	129	+ 47
239	Trondhjem	63 26	10 25	39·5	1007·5	1012·3	+ 1·4	288·5	295·3	18th	281·8	278·9	13th	285·1	*284·6*	−2·4	94	+ 38
240	Bodö	67 17	14 24	22·4	1007·8	1010·5	— 0·2	..	292·0	20th	281·6	279·0	13th	..	*283·6*	−1·9	119	+ 48
241	Haparanda	65 50	24 9	9·2	1006·0	1007·1	— 3·2	290·4	294·5	23rd	281·9	278·0	18th, 21st	286·1	*286·3*	−1·7	79	+ 33
242	Helsingfors	60 10	24 57	11·7	1007·0	1008·4	— 2·6	291·6	296·0	26th	284·0	281·8	7th	287·8	287·7	−2·1	61	+ 2
242*a*	Knopio	62 54	27 40	90·3	995·4	1006·0	— 5·1	291·2	296·8	3rd	283·5	280·9	8th	287·4	*287·8*	−1·7	96	+ 30
243	Kola	68 53	33 1	6·7	1008·4	1009·2	— 1·9	287·1	294·2	9th	280·3	275·1	8th	283·7	*283·7*	−1·6	43	− 4
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..		..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1005·4	1006·2	— 4·4	290·3	297·8	7th	282·5	278·1	2nd	286·4	*286·2*	−2·5	55	− 5
246	Mezen	65 50	44 16	14·9	1004·3	1005·1	— 4·8	288·9	298·5	7th	280·5	275·3	6th	284·7	*284·6*	−2·0	70	+ 22
247	Oust-Tsylma	65 25	52 18	? 68	995·9	1004·0	— 5·1	290·1	299·1	8th	282·1	274·9	6th	286·1	*285·4*	−1·8	152	..
248	Tcherdyn	60 24	56 31	?177	983·8	1004·5	— 4·6	294·1	301·2	10th	284·5	279·5	5th	289·3	*289·0*	−1·2	90	+ 31
249	Berezov	63 56.	65 4	39·9	..	..	..	..	..		..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..		..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1002·2	1006·8	— 1·2	..	303·5	15th	287·1	276·9	9th	..	*292·8*	+3·0	83	+ 21
252	Doudinka	69 23	86 4	? 20	1004·6	1007·0	+ 0·6	..	298·6	25th	284·9	274·0	3rd	..	*288·5*	+3·0	36	− 2
253	Touroukhansk	65 47	87 57	? 45	1004·6	1009·8	+ 4·3	..	304·0	18th	286·1	276·1	8th	..	*293·3*	+4·5	6	− 44
254																		
261	Viliouisk	63 45	121 35	120	..	..	..	..	..		..	276·8	..	..	*289·7*	−1·5	31	− 4
262	Iakoutsk	62 1	129 43	?108	993·8	1006·5	+ 0·7	..	303·2	30th	283·0	275·8	2nd	..	*289·5*	−2·1	55	+ 15
263	Verkhoiansk	67 33	133 23	100	..	..	..	..	..		..	..		..	..	..	..	..
271																		
272		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	**	..	1010·8	— 0·4	281·8	284·7	29th	278·2	276·3	4th	280·0	..	—0·4	91	+ 41
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1013·9	— 2·2	285·9	292·4	16th	280·1	278·0	8, 19, 31	283·0	..	—0·8	67	— 3
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	289·8	295·2	17th, 21st	281·0	276·3	3rd	285·4	..	—0·5	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1014·9	+ 0·2	287·6	294·1	8th	281·1	278·6	sev. dates	284·3	..	—1·1	‡67	..
309	Sitka	57 3	135 19	27·4	..	1019·6	+ 2·1	288·4	298·0	14th	282·2	279·1	1st, 12th	285·3	*285·3*	—0·4	98	— 2
310	Prince Rupert	54 18	130 18	51·8	1016·4	1022·7	+ 4·3	289·1	291·9	18th, 30th	282·4	279·1	7th	285·8	*285·7*	—0·4	68	— 1
311	Barkerville	53 2	121 35	1274	871·8	1014·1	+ 1·6	290·8	295·8	14th, 24th	278·0	271·3	6th	284·4	*283·8*	—1·1	65	— 1
312	Kamloops	50 42	120 29	385	973·6	1017·9	+ 2·0	301·3	307·4	14th, 18th	285·8	279·7	3rd	293·6	*293·4*	—0·3	6	— 6
313	Calgary	51 2	114 2	1045	896·0	1011·9	+ 0·7	299·7	308·0	20th	281·3	275·2	12th	290·5	*289·7*	+1·6	53	— 1
314	Fort Chipewyan	58 42	111 10	218	983·7	1000·5	— 1·2	295·6	303·0	20th	283·8	276·3	11th	289·7	*290·4*	+0·1	49	+ 1
315	Prince Albert	53 10	105 38	442	959·9	1010·6	+ 0·6	298·0	303·0	8, 20, 27	284·7	280·8	5th, 7th	291·3	*291·1*	+1·6	81	+ 1
316	Qu'Appelle	50 30	103 47	645	937·7	1010·6	— 1·4	299·1	305·2	22nd	284·7	279·1	24th	291·9	*291·6*	+1·2	94	+ 1
317	Minnedosa	50 15	99 50	515	952·9	1011·4	— 0·5	300·2	305·8	9th, 16th	285·8	280·2	28th, 31st	293·0	*292·6*	+2·4	27	— 1
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	279·2	274·7	23rd	..	..	..	58	..
318a	Port Nelson	57 4	92 36	14·9	1011·2	1013·0	+ 1·5	295·8	304·1	20th	282·4	274·7	30th	289·1	..	+3·9	10	— 2
319	Fort Hope	51 33	87 49	‡260	982·4	1013·2	..	299·2	305·8	3rd	286·9	276·3	31st	293·1	‡*293·3*	+3·8	62	+ 1
320	Moose Factory	51 14	80 30	9·1	1009·5	1010·6	— 1·6	..	..	..	..	..	..	..	..	..	49	+ 1
321	Fort George	53 50	79 5	97·5	..	..	..	293·7	307·4	4th	283·4	276·9	16th	288·6	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	299·1	304·2	3rd, 4th	285·6	277·0	16th	292·3	..	+3·2	114	+ 1
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	292·2	298·0	25th	282·1	273·6	2nd	287·2	..	+0·3	56	— 1
326	Belle Isle	51 53	55 23	133	..	..	..	284·8	290·8	26th	277·4	273·0	4th	281·1	*280·8*	—1·7	70	— 1
333	53°—48° N. 20°—15° W.	††49 54	††17 24	§(107-113)	..	1013·7	..	..	..	Sea Temp. 290·6 + 2·2	..	..	..	..	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1015·2	1016·8	+ 1·3	293·8	299·7	12th	287·0	281·3	4th	290·4	290·6	+2·7	105	— 4
335	Aberdeen	57 10	W 2 6	26·8	1012·8	1016·0	+ 3·4	290·7	301·3	9th	284·2	279·1	30th	287·5	287·2	+1·0	36	— 1
336	Greenwich	51 28	0 0	46·3	1012·6	1018·0	+ 2·4	300·6	307·4	11th	286·0	280·2	1st	293·3	292·8	+2·9	4	— 6
337	Uccle	50 48	E 4 22	100	1006·3	1018·0	+ 2·1	300·9	309·5	28th	285·9	277·4	3rd	293·4	292·5	+3·1	6	— 5
338	De Bilt	52 6	5 11	3·0	1017·6	1018·0	+ 2·9	297·4	305·1	12th	285·0	277·7	6th	291·2	291·1	+1·0	11	— 4
338a	Hamburg	53 33	9 58	40·3	1012·8	1017·6	+ 3·8	295·7	302·3	11th	286·3	281·9	14th	291·0	*290·8*	+0·8	31	— 1
339	Copenhagen	55 41	12 36	5·0	1014·6	1015·2	+ 2·3	294·9	299·6	10th, 11th	286·4	283·3	1st	290·2	*290·1*	+0·5	38	— 1
340	Upsala	59 51	17 38	24	1007·5	1010·4	— 0·3	293·9	307·3	26th	285·9	279·2	14th	292·3	292·1	+1·5	14	— 2
340a	Moscow	55 50	37 33	167	988·7	1008·4	— 2·2	293·7	300·2	7th	283·9	279·0	19th	288·8	*288·5*	—3·4	90	— 1
341	Warsaw	51 33	45 57	? 122	995·2	1009·4	— 0·2	298·7	303·8	13th	288·1	284·1	21st	293·4	*293·1*	—2·2	21	— 1
342	Dorpat (Jurjev)	58 23	26 43	74·5	1000·7	1009·6	— 1·4	292·9	297·9	30th	283·2	279·8	20th	288·0	287·7	—2·3	68	— 1
343	Petrograd	59 56	30 16	4·8	1006·7	1007·3	— 3·7	292·1	298·1	5th	284·4	282·0	22nd	288·2	*288·4*	—2·2	118	+ 5
344	Kiev	50 27	30 30	183	992·0	1013·2	+ 1·5	299·2	307·1	28th	287·0	282·3	17th	293·1	*292·6*	—0·2	34	— 1
344a	Moscow	55 50	37 33	167	988·7	1008·4	— 2·2	293·7	300·2	7th	283·9	279·0	19th	288·8	*288·5*	—3·4	90	— 1
345	Saratov	51 33	45 57	? 122	995·2	1009·4	— 0·2	298·7	303·8	13th	288·1	284·1	21st	293·4	*293·1*	—2·2	21	— 1
346	Kazan	55 47	49 8	79·9	997·9	1007·3	— 1·9	297·0	303·7	7th	286·4	284·0	4th	291·7	*291·1*	—2·1	68	— 1
347	Orenburg	51 45	55 6	109	995·6	1008·2	+ 0·1	301·6	309·7	26th	287·7	284·1	28th	294·6	*294·7*	+0·2	12	— 2
348	Perm	58 1	56 16	163	987·4	1006·5	— 2·0	295·4	301·0	10th	285·3	281·2	7th	290·4	*289·8*	—1·2	98	— 1
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	973·9	1006·4	— 2·9	296·9	302·8	15th	285·2	281·0	8th	291·0	*290·7*	+0·4	86	— 1
350	Tobolsk	58 12	68 14	108	995·2	1007·8	— 1·9	298·5	305·0	15th	287·8	283·1	9th	293·2	*292·8*	+1·5	130	— 1
351	Akmolinsk	51 12	71 23	? 347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	? 108	996·0	1008·5	+ 0·6	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	988·6	1007·2	+ 0·2	300·0	306·9	4th	288·8	282·0	9th	..	*295·0*	+2·8	35	— 1
354	Tomsk	56 30	84 58	122	992·8	1006·9	— 0·2	..	305·0	24th	289·8	284·6	31st	294·9	*294·8*	+2·2	32	— 1
355	Minousinsk	53 43	91 41	249	977·2	1005·5	— 1·2	..	..	5th	289·7	284·9	9th	..	*293·7*	+2·7	147	— 1
356	Eniseisk	58 27	92 10	77·6	998·4	1007·4	+ 0·3	..	305·2	25th	290·3	284·8	12th	..	*295·4*	..	43	— 1
357	Irkutsk	52 16	104 19	467	953·6	1006·5	— 0·1	301·8	305·2	17th	287·7	283·1	10th	..	*295·4*	+3·6	33	— 1
358	Kirensk	57 47	108 7	263	977·4	1007·5	+ 0·9	..	307·1	8th	285·1	280·8	30th	293·4	*293·4*	+2·7	19	— 1
359	Tchita	52 2	113 30	674	..	..	..	..	306·0	20th	285·5	279·8	24th	..	*294·2*	+2·8	55	— 1
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	964·7	1008·5	..	298·0	305·5	9th	277·9	271·8	15th	288·0	*289·6*	..	17	— 1
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	989·9	1006·2	+ 1·6	302·4	309·7	22nd	287·4	281·8	16th	294·9	*295·4*	+1·3	12	— 1
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	997·5	1007·9	— 2·4	..	294·8	10th	283·7	278·5	8th	..	*286·1*	+2·5	19	— 1
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ** Height changed from 6·1m. to 21·3m. from July 1st.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *.	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1011·2	1019·7	+ 3·0	291·3	298·0	22nd	283·0	281·3	9th	287·2	286·6	—1·2	4	— 5
412	Portland, Oregon	45 32	122 41	46·6	1014·4	1020·0	+ 3·0	297·8	304·7	7th	285·7	280·8	3rd	291·7	*291·6*	—0·5	0	— 15
413	Macleod	49 44	113 24	953	..	..	..	299·9	310·2	21st	283·9	279·7	17th	291·9	*292·3*	+0·7	74	+ 23
414	Helena	46 34	112 4	1253	874·7	1013·5	+ 0·1	301·4	309·7	20th	285·9	278·0	4th	293·7	*293·6*	+1·2	7	— 22
414a	Salt Lake City	40 46	111 54	1329	867·8	1012·5	+ 0·5	304·8	310·2	8th	291·6	280·8	3rd	298·2	*298·2*	+0·6	9	— 4
415	Cheyenne	41 8	104 48	1856	817·0	1014·5	+ 1·8	299·6	304·7	1st	285·1	279·1	3rd	292·3	*292·3*	—0·4	35	— 15
416	North Platte	41 8	100 45	859	918·5	1015·2	+ 1·8	304·9	309·1	2nd	290·9	284·7	4th	297·9	*297·5*	+1·2	20	— 51
416a	Bismarck	46 47	100 38	511	955·3	1014·2	+ 0·4	303·6	315·2	9th	289·3	282·4	31st	296·4	*296·1*	+1·9	55	— 2
417	Winnipeg	49 53	97 7	232	985·3	1012·1	— 0·6	300·8	307·4	9th	288·0	282·4	25th	294·4	*294·3*	+2·4	94	+ 14
418	Duluth	46 47	92 6	345	974·0	1014·2	+ 0·2	299·9	307·4	10th	289·3	283·0	30th	294·6	*294·7*	+3·9	137	+ 34
419	Port Arthur	48 27	89 12	196	990·9	1013·6	— 0·2	300·2	306·3	10th	288·6	278·6	31st	294·4	*294·1*	+4·6	113	+ 19
420	Chicago	41 53	87 37	251	986·5	1015·6	+ 0·4	304·1	309·1	17th	296·6	292·4	31st	300·3	*299·9*	+4·7	47	— 41
421	Toronto	43 40	79 24	116	1001·3	1014·7	+ 0·5	303·6	309·1	5th	293·0	285·2	31st	298·3	297·8	+5·2	67	— 10
422	New York (Central Park)	40 47	73 58	47·4	1010·1	1015·6	— 1·8	302·9	308·0	4th	293·4	289·7	1st	298·2	297·5	+0·5	51	— 61
423	S.W. Point, Anticosti	45 17	66 4	36·2	1010·5	1014·8	+ 1·3	293·6	299·7	27th	285·2	281·9	5th	289·4	288·7	+0·6	42	— 50
424a	Sable Island (Main Station)	43 57	60 6	7·6	1015·4	1016·3	+ 0·2	290·8	296·3	12th	281·3	277·4	1, 4, 5	286·1	*287·1*	—2·1	101	+ 5
425	Port aux Basques	47 35	59 10	9·1	1012·8	1013·9	+ 0·2	291·3	299·7	10th	284·1	279·1	17th	287·7	*287·7*	+1·5	40	— 72
426	St. John's, Newfoundland	47 34	52 42	38·1	1007·8	1012·4	— 0·7	294·1	303·0	26th	283·0	277·4	4th, 5th	288·6	*288·3*	+0·7	45	— 45
430	50°—45° N. 35°—30° W.	††46 37	††32 30	§(44—51)	..	1016·3	..	..	..	Sea Temp. 291·2 + 1·8	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	941·1	1015·4	+ 1·0	304·3	307·7	26th	290·3	284·9	19th	297·3	*296·0*	+1·2	5	— 5
436	Nantes	47 15	W 1 34	36·5	1013·8	1018·1	+ 0·5	300·5	309·0	12th	287·7	282·2	30th	294·1	294·0	+2·3	20	— 37
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1012·3	1018·3	+ 1·3	302·2	311·4	28th	288·3	281·5	3rd	295·3	294·7	+3·4	4	— 48
438a	Marseille	43 18	5 23	75	..	1015·0	— 0·1	303·0	306·8	22nd	289·7	286·2	7th	296·4	*295·7*	+0·4	20	+ 3
439	Zurich	47 23	8 33	493	963·3	1017·6	+ 0·2	301·0	309·9	28th	287·2	282·3	4th	294·1	293·3	+1·8	50	— 79
440	Rome	41 54	12 27	45·5	1011·4	1016·4	+ 1·4	304·5	308·0	27th	291·8	287·8	5th	298·2	*297·9*	+0·8	11	— 8
440a	Vienna	48 15	16 22	203	992·9	1016·5	+ 1·7	298·1	306·0	29th	288·9	283·7	4th	293·5	293·4	+0·9	46	— 24
441	Budapest	47 31	19 2	130	1000·3	1015·4	+ 1·5	302·6	310·6	29th	288·8	283·7	5th	295·7	*295·4*	+1·6	25	— 30
442	Sofia	42 42	23 20	550	952·9	1015·2	+ 2·5	300·7	306·4	1st, 19th	287·4	284·0	9th	294·1	*293·7*	+0·1	66	— 6
	Bucharest	44 25	26 6	82	1005·0	1014·5	+ 1·7	303·1	308·8	29th	289·3	283·6	7th	296·2	295·8	0·0	70	+ 3
443	Odessa (University)	46 29	30 46	65·3	1006·7	1014·3	+ 2·0	300·7	308·7	30th	291·5	288·2	7th	296·1	*295·7*	+0·3	18	— 31
444	Kharkov (University)	50 0	36 14	140	995·8	1012·1	+ 0·1	299·0	307·1	25th	285·8	281·6	16th	292·4	*292·3*	—0·7	35	— 31
444a	Novorossiisk	44 44	37 49	37·1	1008·6	1012·9	+ 1·9	302·2	310·0	26th, 31st	291·3	286·2	24th	296·8	*296·7*	+0·7	2	— 54
445	Tiflis	41 43	44 48	404	965·2	1010·6	+ 0·2	301·9	307·7	7th	292·8	290·3	27th	297·4	297·1	—0·3	33	— 17
446	Astrakhan	46 21	48 2	— 20	1013·1	1010·8	+ 0·9	302·3	307·0	2nd, 26th	295·5	291·7	9th	298·9	*298·0*	—0·3	10	— 3
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1013·6	1010·9	+ 0·8	302·4	309·6	7th	295·3	291·0	9th	298·8	*298·5*	0·0	14	+ 2
448	Krasnovodsk	40 0	52 59	— 5·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Kasalinsk	45 46	62 7	67	1001·2	1008·9	+ 1·7	306·2	313·3	22nd	292·6	288·0	9th	299·4	*299·3*	+0·9	5	— 2
450	Tachkent	41 20	69 18	478	951·5	1004·1	— 0·2	308·7	313·8	22nd	291·6	283·5	10th	300·1	*300·0*	+0·3	1	— 3
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	301·0	308·5	24th, 30th	289·7	282·5	10th	295·4	*294·9*	..	60	..
461	Moukden	41 48	123 23	43·8	1001·7	1006·7	+ 2·6	302·9	307·5	13th	292·6	289·1	10th	297·7	297·1	—0·5	272	+115
462	Joshin	40 40	129 11	31·9	1005·8	1009·5	+ 2·5	297·1	301·5	18th	290·7	284·8	1st	293·9	293·4	+0·6	82	— 41
463	Yuki	42 20	130 24	65·6	1001·3	1009·0	+ 1·3	296·2	303·4	21st	289·5	283·3	1st	292·9	292·5	0·0	100	— 27
464	Vladivostok	43 7	131 55	128	994·6	1009·6	+ 1·4	295·1	301·9	3rd	289·2	284·2	1st	292·2	291·6	0·0	49	— 28
465	Ochiai	47 20	142 46	6·6	1008·6	1009·4	— 0·8	295·9	302·1	24th	285·4	280·6	8th	290·7	290·4	+2·5	62	— 44
466	Nemuro	43 20	145 35	26·7	1009·2	1012·4	+ 2·3	292·6	298·4	5th	285·3	280·2	8th, 9th	289·0	288·6	+1·5	140	+ 43
466a	Syana	45 14	147 53	39·3	1007·6	1012·3	+ 1·6	292·8	300·2	17th	284·9	276·2	10th	288·8	288·8	+2·4	61	— 19
		N.	E.															

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1008·2	1013·9	— 0·4	292·4	307·4	6th	284·4	283·0	24th	288·4	*287·8*	+0·7	0	— 1
512	San Luis Obispo	35 18	120 39	61·3	1006·9	1014·2	— 0·2	298·7	306·9	6th	284·2	280·8	26th	291·6	*290·2*	+0·3	0	0
513	San Diego	32 43	117 10	26·5	1009·8	1012·8	— 0·1	295·6	298·0	22nd	290·8	288·0	1st	293·2	*292·8*	+0·4	0	— 1
514	Modena	37 48	113 54	1670	835·3	1011·8	+ 0·3	303·9	308·0	7th	286·4	277·4	3rd	295·2	*294·6*	+0·7	64	+ 27
515	Santa Fé	35 41	105 57	2138	791·7	1012·5	+ 0·9	298·6	304·1	1st	286·4	280·8	5th	292·5	*292·1*	—1·3	98	+ 32
516	Denver	39 45	105 0	1613	840·7	1014·5	+ 1·8	302·0	309·1	2nd	288·9	282·4	5th	295·4	*295·2*	+0·1	32	— 11
517	Abilene	32 23	99 40	530	954·0	1013·5	+ 0·3	307·6	310·8	23rd	295·1	291·9	10th	301·3	*301·2*	+0·3	11	— 43
518	Saint Louis	38 38	90 12	173	995·4	1015·6	+ 0·4	306·5	309·7	13th	296·4	291·3	31st	301·4	*301·5*	+2·3	52	— 38
519	Mobile	30 41	88 2	17·4	1014·6	1016·6	+ 0·3	305·3	309·7	5th	296·4	293·6	17th	300·9	*300·0*	+0·1	124	— 57
520	Nashville	36 10	86 47	166	997·3	1016·6	+ 0·5	306·2	309·7	5th	295·3	290·8	22nd	300·8	*300·3*	+1·0	116	+ 11
521	Charleston	32 47	79 56	14·6	1015·7	1017·3	+ 0·5	303·3	306·9	1st	296·7	294·7	14th	300·0	*300·2*	—0·2	422	+248
522	Washington	38 54	77 3	34·1	1011·8	1015·6	+ 0·2	304·4	308·0	28th	294·2	289·7	23rd	299·3	*299·2*	+1·3	122	+ 2
523	Bermuda	32 17	64 46	46·0	1018·5	1023·8	+ 3·5	301·9	304·1	25, 26, 27	295·2	292·4	8th, 9th	298·6	*298·3*	—1·1	38	— 80
524	Santa Cruz (Flores)	39 27	31 9	28	1020·5	1023·5	— 2·4	298·1	301·3	31st	292·3	289·3	28th	295·2	*295·2*	+0·6	35	— 20
530	Horta	38 32	28 38	65	1016·0	1023·3	— 1·7	297·6	301·0	6th	292·2	289·5	27th	294·9	294·5	0·0	35	— 19
531	Ponta Delgada	37 44	25 40	22	1020·6	1022·4	— 1·7	296·8	298·6	6th	292·1	289·7	27th	294·4	294·4	+0·5	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	45	+ 13
532a	Madeira (Funchal)	32 37	16 54	25	‡1017·3	‡1020·2	— 0·1	296·6	299·2	9th	291·7	290·2	6th	294·1	*294·4*	+0·2	..	..
533	Lisbon	38 43	9 9	95	1005·7	1016·7	— 0·9	300·9	306·8	20th	291·8	289·0	6th	296·4	*295·8*	+1·7	5	0
533a	Melilla	35 18	2 59	8	1015·5	1016·4	— 1·4	301·2	304·2	29th	293·9	291·2	14th	297·6	*298·3*	—0·7	0	— 1
534	Gibraltar	36 6	5 21	16·2	1014·9	1016·8	— 0·2	300·2	303·0	23, 25, 31	292·8	289·7	16th	296·5	*295·9*	—0·3	0	— 1
535	Colomb-Béchar	31 6	4 6	786	..	..	..	314·8	318·0	25th	296·4	291·0	13th	305·6	*305·3*	..	0	..
535a																		
536																		
536a																		
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

JULY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·1	1016·8	— 0·9	303·8	308·0	30th, 31st	291·9	288·0	11th	297·8	..	−0·2	0	— 11
538	Algiers (Bouzaréah)	36 48	3 2	342	976·7	1014·7	— 1·0	301·2	309·6	30th	293·1	289·1	11th	297·2	296·4	+0·4	4	+ 1
539	Tunis	36 48	10 10	21	1012·8	1015·2	..	306·6	314·9	1st	295·5	291·0	7th	301·1	*300·1*	+2·7	13	— 1
539a	Malta	35 54	14 31	56·4	..	1015·3	+ 1·2	302·3	310·0	20th	295·9	294·0	8th	299·1	*298·3*	+0·4	0	— 2
540	Riposto	37 41	15 14	14·2	..	1017·4	+ 1·1	301·1	304·4	2nd	294·8	292·0	12th	297·9	*296·8*	−1·1	0	— 2
541	Athens	37 58	23 43	107	999·7	1011·9	+ 0·5	306·1	309·6	1st	295·8	291·3	8th	301·0	300·5	+0·7	0	— 1
542	Alexandria	31 12	29 53	32·0	1005·5	1009·1	— 0·5	302·9	304·9	29th	295·6	293·2	3rd	299·3	*299·0*	+0·3	0	— 1
543♁	Nicosia (P.W.D.)	35 9	33 22	159	987·1	1004·7	— 1·2	310·1	313·0	20th	294·4	290·2	7th	302·2	..	+1·0	10	+ 6
544	Beirut	33 54	35 28	33·7	..	1006·5	— 1·1	303·4	304·9	19th	295·9	293·6	2nd	299·7	*299·6*	+0·1	0	— 1
545	Baghdad	33 21	44 28	38·1	994·7	999·0	— 1·0	319·6	322·5	19th	302·4	297·6	1st	311·0	*307·4*	+3·3	0	— 1
546	Lenkoran	38 46	48 51	— 20·0	1013·0	1010·7	+ 1·4	..	305·2	8th	295·0	291·2	1st	..	*299·2*	+1·1	19	..
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	309·2	317·6	23rd	289·5	285·8	1st, 10th	299·3	..	+1·1	0	— 1
549	Seistan	31 0	61 30	?	..	..	..	313·5	316·9	9th	300·8	297·6	10th	307·1	..	−0·2	0	..
550	Quetta	30 11	67 3	1677	826·7	..	+ 0·8	307·6	310·6	10th	291·9	285·4	4th	299·8	*299·6*	+0·9	1	— 1
551	Peshawar	34 2	71 37	339	960·8	997·7	— 0·2	316·5	322·1	8th	300·4	297·5	12th	308·4	*307·9*	+2·6	20	+12
551a	Lahore	31 34	74 20	214	974·4	997·9	+ 0·4	311·5	317·7	8th	301·7	297·1	15th	306·6	*306·3*	+1·6	259	+ 6
552	Simla	31 7	77 8	2205	777·8	..	+ 1·3	294·4	298·6	3rd, 7th	288·9	286·3	12th, 15th	291·7	*291·5*	+0·6	479	+ 4
552a	Leh	34 10	77 42	3503	665·2	..	+ 1·0	296·0	299·9	22nd	282·2	279·2	1st	289·1	*288·1*	−1·5	16	..
559	Hankow	30 35	114 17	37·0	1001·1	1005·2	+ 1·1	308·0	311·6	26th	299·6	294·1	14th	303·8	*303·2*	+1·8	74	−13
560	Tientsin	39 10	117 10	5·0	1005·4	1006·0	+ 2·0	304·5	311·4	2nd	295·4	292·0	9th	299·9	*299·3*	−0·3	110	— 64
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1006·5	+ 1·8	307·1	311·2	28th	296·7	290·5	1st	301·9	300·7	+0·8	151	+ 47
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1001·0	1008·8	+ 2·4	299·7	304·1	23rd	293·3	290·1	2nd	296·5	296·0	−0·2	270	+ 51
562a	Nagasaki	32 44	129 52	133	994·9	1010·2	+ 1·8	302·2	306·0	21st	294·6	290·5	4th	298·4	297·8	−0·7	289	+136
563	Kyoto	35 1	135 44	42·9	1006·2	1011·1	+ 2·8	303·9	306·2	17th, 20th	294·2	290·2	21st	299·0	299·3	..	208	— 36
564	Tokyo	35 41	139 45	21·3	1009·8	1012·2	+ 2·9	301·4	304·0	17th	294·4	289·6	9th	297·9	297·3	+0·2	209	— 36
565	Kanayama	37 53	140 46	24·6	1009·4	1012·3	+ 2·7	300·5	306·6	11th	292·8	288·2	9th	296·7	296·2	+1·3	124	+ 24
566	Miyako	39 38	141 59	30·4	1008·5	1012·0	+ 2·6	299·7	305·4	11th	291·2	285·1	8th	295·5	294·6	+1·9	167	+ 24

JULY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.					a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island.	28 15	177 22	5·8	..	1020·0	+ 1·1	301·1	303·0	4th	295·1	292·4	2nd	298·1	*297·7*	..	209	..
605	Honolulu	21 19	157 52	11·6	1015·4	1016·7	+ 0·2	301·3	302·4	..	296·1	294·7	..	298·7	*298·3*	+0·3	20	— 13
614	La Paz	24 10	110 20	12	1009·1	1010·4	..	309·5	314·2	16th	295·0	290·8	5th	302·2	..	..	0	..
615	Chihuahua	28 38	106 4	1423	861·0	1011·0	..	302·4	307·5	19th	291·2	288·2	12th	296·8	*296·5*	..	78	— 5
616	Leon	21 7	101 41	1809	822·0	1010·2	+ 0·2	298·3	302·9	9th	288·0	286·9	9th	293·2	*292·6*	−0·8	146	..
616a	Monterry	25 40	100 18	528	953·1	1011·5	..	304·8	307·5	1, 8, 9	295·0	293·2	21st	299·9	*299·3*	..	208	— 36
617	Tulancingo	20 5	98 22	2180	793·9	..	..	295·1	298·0	..	284·2	281·0	..	289·6	289·0	−0·9	59	+ 5
618	Galveston	29 18	94 50	16·5	1014·5	1016·6	+ 0·9	303·2	306·9	5th	298·5	294·7	6th	300·9	*300·6*	−0·7	147	+ 35
618a	New Orleans	29 57	90 4	16·2	..	1016·6	+ 0·6	305·6	309·1	5th	297·2	293·0	22nd	301·4	*300·7*	+0·3	201	..
619	Merida, Yuc.	20 58	89 38	22	1013·1	1015·6	..	304·6	306·2	30th	295·7	292·8	20th, 21st	300·2	*299·6*	..	60	+ 30
620	Havana	23 8	82 21	24·3	..	1017·5	+ 1·1	304·3	306·3	16th	296·6	294·4	10th	300·5	*299·9*	−0·1	172	+ 99
620a	Key West	24 33	81 48	6·7	1016·4	1017·3	+ 0·5	303·7	305·2	1st	298·1	294·1	24th	300·9	*301·2*	−0·5	145	+ 15
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	303·8	..	..	297·2	..	..	300·5	*300·6*	−0·7	163	..
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
633	Izaña	28 19	16 30	2367	771·7	..	..	295·3	299·0	22nd	285·6	280·8	28th	290·5	*289·6*	+0·2	0	— 2
634	La Laguna	28 28	W16 20	547	954·9	1017·2	+ 0·6	298·3	306·9	24th	288·4	290·7	5th	293·3	*292·6*	−0·1	2	..
641	Siwa	29 12	E25 29	— 23	1014·0	1011·5	..	311·3	315·6	21st	..	..	..	..	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	994·4	1007·5	— 0·6	309·1	312·0	18th	293·8	291·7	2nd	301·5	*301·1*	+0·2	0	..
643a	Aswan	24 2	32 53	99·6	992·7	1003·6	— 2·6	316·6	320·3	10th	300·3	297·2	4th, 29th	308·4	*308·0*	+2·2	..	..
644	Tor	28 14	33 37	1·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
647	Bushire	28 59	50 53	4·3	996·9	997·5	+ 0·1	309·3	313·6	11th	303·1	299·2	3rd	306·2	*305·5*	+1·1	0	0
648	Jask	25 44	57 47	4·0	996·9	997·5	— 0·9	310·0	316·5	2nd	299·9	298·2	1st	304·9	*304·2*	−0·7	0	..
649	Karachi	24 53	66 57	4·0	998·7	999·2	+ 0·1	304·6	308·9	16th	299·8	296·4	16th	302·2	*301·5*	+0·1	69	— 10
650	Jacobabad	28 17	68 29	56·7	990·4	996·6	+ 0·3	313·6	317·2	2nd	303·4	300·3	31st	308·5	*307·9*	−0·3	4	— 20
651	Jaipur	26 56	75 52	436	952·1	999·4	+ 0·3	310·2	316·2	26th	300·0	296·6	27th	305·1	*304·4*	+2·1	174	+138
652	Nagpur	21 8	79 5	310	967·7	1002·1	+ 0·6	304·8	309·4	5th, 6th	297·4	296·2	18th	301·1	*300·5*	+0·5	224	+137
653	Allahabad	25 25	81 51	94·1	989·4	999·4	+ 1·1	309·3	314·7	6th	300·7	297·1	26th	305·0	*304·4*	+1·9	165	+104
653a	Darjeeling	27 3	88 18	2266	772·6	..	+ 0·4	292·5	295·2	26th	287·7	286·4	18th	290·1	*289·9*	+0·4	751	+ 7
654	Calcutta	22 36	88 23	6·4	999·8	1000·6	+ 0·4	304·9	307·5	21st	299·3	296·6	11th	302·1	*301·7*	+0·4	245	..
655	Gauhati	26 8	91 41	59·7	996·6	1003·2	+ 1·2	305·3	308·3	31st	298·3	296·3	11th	301·8	*301·2*	−0·2	504	+239
655m	Cherrapunji	25 15	91 42	1314	863·7	..	+ 1·2	295·1	299·4	26th	291·9	289·9	17th	293·5	*293·1*	0·0	3459	+575
655a	Akyab	20 11	92 56	6·1	1003·1	1003·8	0·0	303·0	305·9	23rd	297·7	294·8	3rd	300·3	*300·4*	+0·1	1399	+ 10
656	Mandalay	21 59	96 0	76·2	996·8	1005·2	+ 1·0	309·0	313·9	19th	299·4	298·3	24th, 31st	304·2	*303·6*	+0·9	71	— 42
656a	Tengyueh	25 2	98 33	1625	832·0	1001·7	+ 2·5	296·1	300·2	29th, 30th	290·1	289·1	13th	293·1	*292·4*	0·0	347	+171
657	Phu Lien	20 48	106 38	116	991·2	1004·3	+ 1·6	304·2	309·8	23rd	298·1	295·5	8th	301·2	300·7	−0·6	441	+161
658	Moncay	21 31	107 51	9	1003·3	1004·4	+ 2·0	304·9	310·6	23rd, 24th	297·8	295·8	5th	301·3	*301·0*	−0·2	724	+ 35
659	Hongkong	22 18	114 10	33·2	..	1006·9	+ 2·1	303·1	305·6	23rd	298·4	295·8	6th	300·7	300·6	−0·2	302	+105
660	Amoy	24 27	118 4	ca.3	1007·1	1007·4	+ 2·0	304·4	308·6	31st	299·2	292·4	3rd, 5th	301·8	*301·6*	−0·2	55	— 22
661	Taihoku, Formosa	25 2	121 31	9·3	1007·0	1008·2	+ 2·6	306·0	311·6	31st	296·8	294·3	1st	301·4	301·0	0·0	178	— 47
661a	Basco	20 28	121 59	18·7	1003·3	1005·7	+ 0·5	304·1	306·2	2nd	298·4	296·1	3rd	301·3	*301·4*	+0·2	261	— 41
662	Naha	26 13	127 41	10·5	1008·4	1009·6	+ 1·9	304·3	306·3	9th, 27th	297·3	293·8	24th	300·8	300·6	−0·4	140	— 42
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1011·5	1011·9	+ 0·7	303·6	306·2	4th	297·3	295·4	8th	300·5	300·1	0·0	73	— 42
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ♁ For Cairo *see* No. 643.

JULY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·8	1013·6	..	301·5	304·0	30th	296·0	294·7	2nd	298·8	*297·8*	..	196	..
716	Morelia	19 42	101 7	1923	810·8	1010·3	..	294·1	296·9	2nd	289·5	288·2	30th	291·8	*291·0*	..	148	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·1	..	+0·3	296·4	299·6	1st	283·7	281·5	24th	290·1	288·4	−0·3	102	— 26
718	Salina Cruz	16 12	95 12	56	1006·1	1012·5	..	303·6	306·4	29th	296·7	294·3	11th	300·2	*299·7*	..	57	..
719	San Salvador	13 42	89 13	682	936·6	1012·0	+ 1·3	304·7	306·4	28th	291·3	290·0	27th	298·0	*296·3*	−0·3	265	— 21
720	Belize	17 29	88 12	5·2	1012·5	1013·0	+ 0·3	..	..	..	296·9	294·1	1st	..	‡*299·4*	..	75	—178
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·0	+ 1·0	304·2	306·1	24th	295·2	293·9	31st	299·7	*299·8*	−0·1	122	— 23
722	Port au Prince	18 33	72 20	37·4	1011·8	1016·1	+ 0·9	306·7	309·3	21st	296·2	293·8	14th	301·4	*300·6*	−0·4	28	— 34
723	Caracas	10 30	66 55	1042	901·2	1016·1	+ 1·3	307·7	309·1	6th	287·3	283·9	9th	297·5	*291·7*	−1·5	95	— 11
724	Montserrat	16 41	62 9	39·6	1011·8	1016·3	+ 0·5	303·4	307·4	4th	296·7	294·7	30th	300·1	*299·6*	−0·4	102	+ 38
725	Grenada (Richmond Hill)	12 5	61 46	155	‡996·3	‡1014·1	+ 0·7	302·6	305·2	24th	296·7	295·2	5th, 12th	299·7	*299·0*	+0·6	180	— 69
725	Barbados	13 8	59 36	55·2	..	1015·3	+ 0·7	303·2	304·1	20th	296·6	295·0	12th, 30th	299·9	*299·6*	+0·5	87	— 43
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·4	1015·6	+ 1·5	300·1	302·5	27th	..	..	..	..	*297·4*	0·0	0	— 6
732	San Tiago, C. Verde Is.	14 54	23 31	740	1010·8	1015·4	+ 0·8	300·7	303·2	16th	296·2	295·0	7th	298·5	*298·7*	−0·2	0	— 10
733	Bathurst	13 27	16 36	1·8	1013·5	1013·6	+ 0·8	302·0	306·9	12th	295·8	293·6	3rd	298·9	*299·1*	−0·7	171	—106
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	306·8	309·1	22nd	296·7	294·1	3rd	301·7	..	+0·9	177	— 31
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	*302·6*	..	141	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	306·6	310·2	3rd, 4th	296·4	293·0	24th	301·5	*300·8*	+1·0	96	— 67
738	Kaduna Capital	10 32	7 25	637	944·2	1015·5	+ 0·5	300·8	305·8	29th, 31st	292·2	289·7	4th	296·5	*295·9*	+0·2	282	+ 19
739	Hadejia	12 40	10 5	?	..	..	..	308·2	313·0	1st	295·0	291·3	29th	301·6	*300·9*	+0·9	120	— 16
740	Maiduguri	11 47	13 11	361	..	..	..	307·7	313·0	8th, 14th	296·1	293·0	17th	301·9	*301·3*	+0·3	154	— 9
741	El Fasher	13 32	25 18	730	..	..	..	309·4	313·4	1st	294·4	291·3	9th	301·9	*300·8*	..	64	..
743	El Obeid	13 11	30 14	569	..	..	..	?307·5	?311·5	2nd	296·8	292·6	30th	?302·2	?*300·6*	+0·5	78	— 14
743a	Khartoum	15 37	32 33	390	964·2	1007·2	— 0·6	310·9	315·5	10th	298·1	294·8	29th	304·5	*305·1*	+0·1	56	+ 11
744	Port Sudan	19 37	37 13	5·5	1003·2	1003·9	— 0·5	315·0	319·0	17th	302·1	297·9	10th	308·6	*307·6*	+1·2	6	— 4
745	Berbera, Somaliland	10 22	45 2	9·5	1002·6	1003·6	— 1·4	315·7	319·1	5th	303·8	299·7	24th	309·7	*308·9*	+0·3	0	— 2
746	Aden	12 45	45 3	28·7	999·8	1003·1	— 0·8	306·7	308·9	15th	301·1	296·8	29th	303·9	*303·8*	−0·2	0	— 1
751	Bombay	18 54	72 49	11·3	1002·7	1003·9	— 0·7	302·2	305·4	7th	298·4	296·7	20th	300·3	300·1	0·0	906	+272
752♁	Kodaikanal	10 14	77 28	2343	768·3	..	— 0·4	290·5	292·9	1st	284·5	283·7	8th	287·5	*286·3*	+0·3	191	+ 64
753	Bangalore	12 59	77 38	920	906·7	1006·9	— 0·5	301·2	305·8	1st, 3rd	292·3	291·2	16th	296·8	*295·1*	−0·1	109	+ 2
754	Madras	13 4	80 14	6·7	1004·6	1005·4	— 0·6	307·1	312·3	1st	298·5	295·4	19th	302·8	*303·3*	+0·4	202	+100
754	Vizagapatam	17 42	83 19	11·6	1000·9	1002·2	+ 0·2	304·7	309·2	1st	299·9	298·1	14th	302·3	*301·5*	..	88	— 24
755	Port Blair	11 40	92 40	18·0	1004·6	1006·6	— 0·9	302·4	304·0	5, 6, 18	297·9	295·7	31st	300·2	*299·4*	−0·2	487	+ 87
756	Rangoon	16 46	95 48	5·5	1006·4	1007·1	+ 0·4	302·9	306·1	18th	297·7	296·2	5th	300·3	*299·3*	+0·4	478	— 69
757	Saigon	10 47	106 42	11	1006·3	1007·5	+ 0·3	303·7	305·1	5th	296·5	294·6	18th	300·1	*299·6*	−0·5	306	+ 31
758	Nhatrang	12 15	109 12	3·6	1005·5	1005·9	+ 0·9	305·7	308·8	27th	297·1	295·9	10th	301·4	*300·8*	−0·2	52	— 1
759	Bolinao	16 23	119 53	7·1	1004·0	1004·9	— 0·4	305·0	307·5	13th	297·4	296·0	8th	301·2	*300·4*	+0·5	497	—158
761	Vigan	17 34	120 23	12·2	..	1006·0	— 0·1	305·2	308·4	4th	297·1	295·5	23rd	301·1	301·1	+1·0	398	—262
761a	Manila	14 35	120 59	14·2	..	1007·0	+ 0·2	304·8	306·7	30th	296·7	295·0	4th	300·7	300·0	0·0	433	— 6
762	Ormoc	11 0	124 36	5·6	1006·5	1007·2	0·0	305·2	307·1	29th	296·3	295·0	7th, 10th	300·7	*300·2*	+0·7	407	+119
765	Guam, Ladrone Is.	13 24	144 38	20·4	1005·1	1007·7	+ 0·1	303·4	304·7	28th	298·0	296·0	1st	300·7	*300·6*	+0·1	208	—170
		N.	E.															

Between Latitude 10° N. and 0°.

JULY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.					a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 53	11·0	..	1010·9	+ 0·4	302·8	304·7	22nd	297·4	295·2	7th	300·1	*299·7*	+0·5	266	—141
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	69	+ 18
822a	Merida, Venez.	8 36	71 9	1641	‡842·4	..	+ 0·2	298·1	302·5	20th	288·1	286·5	18th	293·1	*292·0*	+0·2	116	+ 3
824	El Peru, Guayanavieja	7 19♁	61 49	220	987·9	1012·9	+ 0·8	303·1	304·6	7th	293·2	291·7	19th	298·1	*297·5*	−0·2	195	+ 6
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·6	+ 2·1	302·3	304·1	10th	296·3	294·1	9th, 10th	299·3	*299·1*	−0·7	323	+ 72
826	Paramaribo	5 49	55 9	3·7	‡1015·5	‡1015·9	+ 2·0	303·1	304·9	5th, 19th	295·5	294·2	9th	299·3	*297·2*	−0·9	323	+ 98
826a	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Konakri	9 4	13 42	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1006·3	1014·2	+ 1·5	302·3	304·1	3, 8, 25	296·1	294·0	9th	..	‡*300·0*	+1·4	865	—440
835	Assuantsi	5 18	1 15	101	..	..	..	..	..	..	..	..	..	..	‡*298·8*	−0·5	568	—330
836	Accra	5 33	W 0 12	25·1	1010·6	1013·5	..	301·2	303·0	3rd	295·6	293·6	6th	298·4	*298·0*	+1·1	113	+ 70
837	Lagos	6 27	E 3 24	6·7	1013·9	1014·7	— 0·2	299·7	303·2	..	296·3	293·8	..	298·0	*297·7*	−0·6	428	+157
838	Zungeru	9 48	6 10	130	..	..	..	304·7	307·4	14th	294·0	291·3	29th	299·3	*298·8*	+0·3	302	+107
839	Yola	9 12	12 30	259	..	..	..	303·3	306·3	1st	..	..	..	..	‡*298·8*	+0·2	128	— 33
841	Wau	7 42	28 3	440	..	..	..	309·7	311·5	sev. dates	289·8	287·5	9th, 13th	299·8	*298·9*	+0·9	204	+ 19
843	Malakal (Kodok)	9 35	31 37	394	966·7	1010·8	— 0·6	303·4	307·0	4th	294·6	292·4	13th	299·0	*297·6*	+0·3	207	+ 46
843a	Mongalla	5 11	31 47	439	961·6	1010·4	+ 0·6	..	..	..	292·8	291·0	1st, 9th	..	..	..	261	+129
844	Entebbe	0 5	32 29	1171	885·3	1012·5	+ 0·3	297·2	299·1	25th	288·8	285·8	22nd	293·0	*292·6*	−0·4	44	— 31
851	Minicoy	8 17	72 49	2·1	1009·6	1009·8	+ 0·3	..	..	..	..	..	..	..	..	..	164	— 58
851a	Cochin	9 58	76 27	2·7	1008·9	1009·2	— 0·9	301·2	303·4	1st	296·4	295·3	15th, 26th	298·8	*298·0*	−0·3	468	—129
853	Colombo Observatory	6 54	79 53	7·3	..	1008·6	— 0·4	303·4	304·3	5th	298·2	295·3	17th	300·8	*300·0*	+0·5	130	— 34
854	Nuwara Elija	6 59	80 40	1886	811·5	1009·5	..	291·4	295·5	6th	286·2	284·7	1st	288·8	*288·1*	+0·9	296	— 7
855	Trincomalee	8 34	81 14	30·2	..	1005·7	+ 0·1	306·1	308·0	17th	297·5	294·4	18th	301·8	*301·0*	−0·8	56	+ 1
856	Kuta Raja	5 32	95 20	7·1	..	1009·6	— 0·3	..	..	..	..	..	..	..	..	..	35	— 73
857	Medan	3 35	98 41	25·0	..	1008·6	— 1·1	..	..	..	..

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·1	305·6	26th	295·5	294·0	6th	299·3	*298·6*	−1·5	109	+ 71
926	Taperinha	2 30	54 20	20·0	1011·8	1014·1	+ 1·0	301·8	304·0	26th	294·7	292·6	22nd	298·2	*297·4*	−0·2	211	..
927	Turyassu	1 43	45 26	15·1	1012·2	1014·0	+ 0·8	303·5	305·4	6th	293·7	292·4	16th	298·6	*297·7*	−0·6	217	+ 71
928	Barra do Corda	5 30	45 16	81·0	1003·7	1013·1	+ 0·3	304·1	305·8	26th	291·0	287·2	15th	297·6	*296·2*	−0·9	28	+ 19
929	Quixeramobim	5 16	39 15	207	992·6	1016·3	+ 1·7	301·6	303·4	27th, 31st	294·2	292·2	15th, 20th	297·9	*297·7*	−1·7	121	+ 101
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1016·9	+ 1·2	296·6	299·2	25th	292·1	290·5	20th	294·3	293·9	+1·2	0	0
940	Brazzaville	4 17	15 16	320	‡977·9	‡1014·1	..	302·3	306·0	20th	293·1	290·0	29th	297·7	*297·1*	+2·3	0	− 1
943	Masaka	0 21	31 47	?1280	..	..	..	298·9	?300·8	27, 28, 31	288·0	?285·8	1st	293·5	*292·0*	−0·1	53	+ 23
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	295·8	298·6	18th, 19th	284·7	279·1	19th	290·2	..	..	16	..
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	294·7	298·0	18th	..	..	..	..	..	..	..	..
944*a*	Zanzibar	6 10	39 11	21·9	1016·3	1018·9	− 0·1	299·9	301·0	8th	295·7	294·6	17th	297·8	*297·1*	0·0	41	− 14
945	Lamu	2 16	40 50	3·1	..	..	..	300·8	301·9	9th, 10th	296·3	295·2	3rd	298·6	*298·2*	−0·6	27	− 51
947	Seychelles, Port Office	4 37	55 27	4·6	1011·0	1011·6	− 2·0	302·8	303·1	24th	297·2	294·4	5th	300·0	*299·3*	+1·6	230	+ 165
957	Padang	0 56	100 22	6·7	..	1009·7	− 1·6	..	..	..	..	..	..	..	..	..	..	..
958	Batavia	6 11	106 50	8·0	1009·0	1009·9	− 0·2	303·0	304·5	9th	296·1	295·3	18th, 22nd	299·5	299·3	+0·4	95	− 28
958*a*	Pontianak	0 1	109 20	2·6	..	1009·9	− 0·2	..	..	..	..	..	..	..	..	..	214	+ 29
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	+ 48
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	16	− 29
962	Amboina	3 42	128 10	4·2	..	1010·4	− 0·2	..	..	..	..	..	..	..	..	..	902	+ 27
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	185	+ 25
965	Daru	9 4	143 13	7·6	..	1011·2	− 0·2	300·3	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1011·5	0·0	301·2	..	..	295·7	..	..	298·0	*297·6*	−0·2	64	− 53
967											296·2	..	..	298·7	*298·3*	+0·1	31	+ 6
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1010·6	1010·8	+ 0·6	302·7	304·4	22nd	297·3	295·4	29th	300·0	*299·8*	−0·1	374	+ 174
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·4	304·1	22nd	297·7	296·3	6th, 10th	300·5	*299·9*	−0·2	100	− 74
		S.	E.															

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·9	− 0·1	302·1	303·5	10th	295·8	293·1	4th	299·0	298·7	+0·6	107	+ 49
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	298·9	303·0	30th	292·0	288·6	13th, 25th	295·4	*295·2*	−0·7	133	+ 52
1021	Arequipa	16 22	71 33	2451	762·2	..	+ 1·0	292·9	297·2	26th	282·7	278·8	15th	287·8	*287·0*	+0·9	0	− 2
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·3	292·0	30th, 31st	284·9	284·2	sev. dates	288·1	..	..	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	731·6	..	..	285·4	291·8	23rd	273·4	268·2	7th	279·4	*279·9*	..	2	− 2
1025	Corumba	18 59	57 39	116	1005·0	1018·7	+ 3·3	297·5	304·0	26th	286·3	277·0	8th	291·9	*291·2*	−2·0	0	− 10
1026	Cuyaba	15 36	56 6	165	997·8	1016·9	+ 3·3	302·7	308·0	27th	286·1	279·0	7th	294·4	*294·1*	−3·3	0	− 4
1027	Bello Horizonte	19 55	43 57	895	..	..	..	..	..	..	..	..	..	..	*291·5*	+1·8	0	..
1028	Caetite	14 3	42 37	897	920·1	1020·4	+ 1·4	296·0	300·7	12th	286·4	284·0	30th	291·2	*292·2*	−0·5	12	− 2
1029	Ondina (Bahia)	13 0	38 31	46·6	1013·7	1019·2	+ 1·3	297·4	298·9	4th	293·6	291·8	14th	295·5	*295·8*	−0·7	120	− 74
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	949·1	1016·3	+ 1·8	291·8	294·1	1st, 11th	285·3	284·1	15th	288·6	*288·2*	+0·6	170	+ 68
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	293·3	296·8	5th	286·4	283·4	20th	289·9	*289·7*	..	0	..
1042	Gwelo	19 28	29 48	1417	866·3	1023·1	+ 0·2	293·2	298·0	20th	278·3	271·9	31st	285·7	..	−0·4	0	− 1
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡860·1	‡1021·8	+ 1·8	293·9	297·9	20th	278·6	275·7	6th	286·3	*285·5*	−0·1	1	0
1044	Zomba	15 23	35 18	955	912·6	1020·1	+ 0·7	293·8	300·2	19th	283·9	281·3	24th	288·9	*288·5*	−0·8	23	+ 14
1045	Antananarivo	18 55	47 32	1400	868·2	1023·0	− 0·3	293·4	295·9	19th, 31st	281·8	279·4	15th, 28th	287·6	*286·4*	+0·1	4	− 2
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·1	1012·6	+ 0·2	300·9	303·0	21st	298·2	295·6	27th	299·6	*299·3*	+0·7	146	− 116
1057	Christmas Island	10 25	105 43	5·5	1009·0	1009·6	+ 0·2	303·9	305·2	..	296·1	293·6	..	300·0	*299·3*	+0·5	61	− 66
1061	Kupang	10 10	123 34	45·1	..	1011·6	− 0·3	303·9	305·2	17th	294·2	291·9	31st	299·1	298·5	..	2	− 3
1061*a*	Derby	17 18	123 40	16·2	1014·0	1015·9	+ 0·7	302·6	305·9	31st	287·6	280·9	4th	295·1	..	0·0	0	− 3
1062	Hall's Creek	18 13	127 46	374	973·7	1017·0	+ 0·4	299·6	303·8	29th	280·5	275·1	4th, 5th	290·1	*289·4*	−1·0	0	− 3
1063	Darwin	12 28	130 51	29·6	1008·7	1012·2	− 0·3	304·4	307·4	17th	293·3	289·1	2nd	298·8	*297·6*	+0·6	0	− 2
1064	Daly Waters	16 16	133 23	211	988·8	1013·2	− 1·6	301·2	305·2	30th	285·2	279·7	3rd	293·2	*292·5*	−0·4	0	− 2
1065	Mein	13 13	142 47	122	997·2	1011·4	− 0·7	301·4	304·7	22nd	289·4	279·3	25th	295·4	*294·6*	−1·0	0	− 3
1066	Georgetown, Queensland	18 22	143 32	302	980·3	1015·3	− 0·4	300·3	303·3	20th	285·4	275·8	24th	292·8	..	−0·3	20	+ 15
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1012·0	+ 0·2	300·3	..	..	296·8	..	..	298·5	*298·3*	+0·3	100	− 149
1072	Suva, Fiji	18 8	178 26	6·1	..	1016·6	+ 1·1	299·6	302·0	27, 29, 31	288·9	287·6	14th	294·3	*294·1*	−1·8	123	+ 3
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JULY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	298·6	299·7	sev. dates	291·7	288·0	23rd	295·2	*295·0*	+0·9	414	+336
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·4	1018·7	+ 1·0	286·6	290·9	13th	281·5	279·0	6th	284·1	*284·0*	−0·8	2	− 26
1122	Iquique	20 12	70 11	9	1015·8	1016·9	+ 0·7	290·6	292·9	28th	286·3	284·4	16th, 19th	288·5	*288·8*	−0·1	0	− 1
1123	Catamarca	28 27	65 47	510	960·0	1020·3	+ 3·9	292·4	300·7	31st	274·4	268·4	4th	283·4	283·1	−1·9	0	− 2
1124	Salta	24 46	65 28	1178	887·3	1020·7	+ 4·6	291·5	302·0	28th	275·3	263·5	4th	283·4	281·8	−2·8	0	− 1
1125	Goya	29 9	59 15	26	1017·0	1020·2	+ 3·5	292·8	302·2	27th	279·4	273·4	19th	286·1	285·2	−2·1	28	− 18
1126	Asuncion	25 21	57 37	93	1010·3	1021·4	+ 5·0	298·2	312·5	26th	283·3	273·6	5th	290·7	289·6	−2·3	1	− 56
1127	Curityba	25 25	49 17	908	919·1	1023·5	+ 1·6	289·9	297·6	25th	278·0	269·1	7th	284·0	*283·2*	−2·1	62	− 1
1128	Rio de Janeiro	22 54	W43 10	61·4	1016·1	1023·3	+ 3·5	295·7	301·6	3rd	289·1	286·5	8th	292·4	291·9	−1·1	31	− 14
1139	Windhoek	22 35	E 17 5	1680	..	..	..	291·5	294·4	26th	278·8	275·0	23rd	285·1	*284·9*	−1·0	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	889·7	1027·7	+ 1·7	289·7	296·2	17th	272·6	267·0	7th	281·1	280·6	−2·0	0	− 8
1141*a*	Johannesburg	26 11	28 4	1806	826·9	1026·0	+ 0·2	287·1	291·3	19th	275·9	271·9	7th	281·5	*281·0*	−1·8	0	− 8
1142	Pretoria (Brooklyn)	25 46	28 13	1400	868·0	1025·1	+ 0·3	291·1	296·0	6th	275·2	271·3	7th	283·1	*282·6*	−0·5	0	− 6
1142*a*	Bulawayo	20 9	28 35	1340	874·1	1023·3	+ 1·1	292·7	297·6	20th	278·9	274·7	31st	285·8	*285·4*	−1·2	0	− 1
1143	Durban	29 52	31 3	15·2	1023·4	1025·2	+ 1·3	294·8	304·9	5th	283·1	278·7	7th	288·9	*288·4*	−1·4	15	− 16
1144	Lourenço Marques	25 58	32 36	59	..	1024·0	+ 1·2	296·6	302·5	4th	285·4	281·8	8th	291·0	290·4	−0·7	4	− 10
1147	Mauritius	20 6	57 33	55·2	1012·7	1019·2	− 1·2	296·7	297·9	27th	289·5	285·8	22nd	293·1	292·9	0·0	22	− 41
1159	Onslow	21 43	114 57	4·3	1016·1	1016·6	+ 0·2	300·2	303·5	19th	282·7	279·7	2nd	291·4	..	+0·5	5	− 19
1160	Peak Hill	25 38	118 47	588	950·7	1018·4	+ 0·4	294·4	297·1	22nd	281·8	277·4	25th	288·1	..	+2·0	4	− 14
1161	Nullagine	21 53	120 5	386	972·8	1017·7	0·0	297·4	299·9	25th	279·1	273·6	5th	288·2	..	−0·4	13	− 1
1162	Laverton	28 40	122 23	466	965·7	1020·3	0·0	293·2	296·3	19th	278·9	272·3	30th	286·0	*285·9*	+1·6	4	− 13
1163	Alice Springs	23 38	133 37	587	950·7	1018·9	− 1·8	293·6	299·7	29th	277·1	271·3	3rd	285·3	*285·0*	+0·9	2	− 8
1164	William Creek	28 55	136 21	76·2	1010·6	1019·8	− 0·8	293·8	299·1	16th	277·9	274·1	24th	285·9	*285·6*	+1·6	2	− 5
1165	Boulia	22 55	139 38	146	999·3	1016·6	− 0·9	296·3	302·3	29th	282·5	276·3	3rd	289·4	*289·1*	+2·0	2	− 6
1166	Thargomindah	27 58	143 43	123	1003·0	1017·7	− 1·7	293·1	296·4	16th, 17th	280·6	275·8	2nd	286·8	*286·5*	+1·5	18	+ 5
	Mitchell	26 32	147 52	336	978·5	1017·6	..	292·2	296·3	16th	280·4	275·1	29th	286·3	..	+2·5	100	+ 65
1167	Rockhampton	23 24	150 30	11·3	1014·9	1016·2	− 2·2	296·0	299·9	30th	286·4	281·3	29th	291·2	*290·6*	+1·7	148	+113
1168	Brisbane	27 28	153 2	41·7	1011·8	1016·8	− 1·7	294·2	298·2	17th	285·2	281·4	16th	289·7	*289·1*	+2·0	156	+ 97
1170	Norfolk Island	29 4	167 59	15·2	1016·9	1018·7	+ 1·7	292·4	294·1	17th	287·3	283·0	14th	289·9	*289·5*	+0·7	149	− 12
		S.	E.															

Between Latitude 30° S. and 40° S.

JULY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	1019·9	1021·1	+ 1·3	288·8	292·7	5th	281·3	277·6	25th	285·1	*286·0*	−0·3	46	−107
1221*a*	Punta Tumbes	36 37	73 6	120	1006·6	1021·3	+ 3·9	286·6	290·0	sev. dates	279·0	275·5	5th	282·8	*282·8*	−0·6	29	− 55
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1013·9	1018·9	+ 0·9	287·6	292·0	24th, 29th	279·8	276·0	4th	283·7	*283·3*	−1·7	11	− 96
1222*a*	Santiago	33 27	70 42	520	958·0	1020·1	+ 1·7	289·0	298·4	25th	274·1	270·0	4th, 14th	281·5	*280·2*	−0·6	1	− 86
1223	Cordoba	31 25	64 12	423	970·6	1021·3	+ 4·3	291·8	302·7	..	272·6	266·3	..	282·2	281·6	−1·6	0	− 8
1224	Bahia Blanca	38 45	62 15	25	1018·5	1021·6	+ 6·2	285·3	291·5	7th	275·4	267·5	3rd	280·3	280·0	−1·2	11	− 16
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1019·1	1022·2	+ 3·6	285·9	291·6	28th	277·1	269·1	3rd	281·5	281·2	−1·9	21	− 35
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1019·0	+ 0·9	285·5	292·5	28th	279·7	274·5	4th	282·6	*282·3*	−1·6	26	− 43
1226*a*	Porto Alegre	30 2	W51 13	23·5	1019·9	1022·7	+ 2·9	290·1	299·4	28th	279·8	271·4	5th	285·0	284·6	−2·0	113	+ 18
1239	Cape Town	33 56	E 18 29	12·2	..	1023·5	+ 2·2	289·4	298·0	12th	280·3	274·7	20th	284·8	*283·5*	−0·8	108	+ 15
1240	Danger Point	34 37	19 18	27·7	1013·7	1017·1	..	288·6	297·4	31st	281·7	276·3	21st	285·1	..	..	103	+ 20
1241	Riversdale	34 6	21 16	? 61	1011·3	1018·7	..	291·0	300·2	31st	276·4	270·2	21st, 22nd	283·7	..	..	33	+ 3
1242	East London	33 1	27 54	9·8	1021·5	1022·7	+ 1·7	294·3	305·8	18th	280·9	276·3	3rd	287·6	..	−0·5	38	+ 13
1259	Perth (Observatory)	31 57	115 51	60·0	1011·2	1018·4	− 0·5	291·4	297·7	21st	284·4	277·9	29th	287·9	*288·0*	+2·0	188	+ 22
1260	Katanning	33 42	117 35	310	980·8	1017·0	− 1·0	288·7	293·1	21st	280·4	273·0	30th	284·6	..	+1·8	64	− 14
1261	Coolgardie	30 57	121 10	423	969·1	1018·9	− 0·7	291·2	294·7	6th	279·3	271·9	29th	285·2	*285·1*	+1·5	6	− 17
1262	Eucla	31 45	128 58	4·6	1017·4	1018·0	− 1·5	292·6	297·0	15th	280·8	275·8	31st	286·7	*286·5*	+1·3	3	− 20
1263	Streaky Bay	32 48	134 13	13·1	1017·6	1019·0	− 0·9	290·9	294·1	9th, 24th	281·8	275·8	23rd	286·4	*286·2*	+1·8	25	− 35
1264	Adelaide	34 56	138 35	42·7	1013·4	1018·6	− 1·8	289·6	292·8	16th	280·9	277·3	6th	285·3	284·7	+1·4	51	− 16
1265	Melbourne	37 49	144 58	35·1	1012·2	1016·4	− 2·7	286·9	292·0	11th	279·3	273·7	23rd	283·1	*282·9*	+0·9	61	+ 15
1266	Bourke	30 13	145 58	111	1007·8	1021·0	− 1·3	292·1	296·9	12th	280·5	276·9	3rd, 4th	286·3	..	+2·2	53	+ 30
1267	Sydney	33 51	151 13	40·5	1011·5	1016·3	− 2·2	291·5	296·8	16th	282·7	278·8	5th	287·1	*286·3*	+2·6	179	+ 56
1268	Lord Howe Island	31 20	159 0	4·6	1015·5	1016·1	− 0·7	292·9	295·1	17th	287·4	282·9	20th	290·2	..	+1·3	229	+ 27
1271	Auckland	36 50	174 50	38·1	..	1016·6	..	286·7	290·2	18th	281·1	276·1	24th	283·9	..	0·0	87	− 41
1272	Napier	39 32	176 53	21·3	..	1013·7	+ 1·9	287·1	293·3	21st	278·5	274·1	6, 18, 29	282·8	..	+0·4	53	− 44
		S.	E.															

Between Latitude 40° S. and 50° S.

JULY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1004·3	..	..	..	..	..	..	..	..	..	..	70	− 42
1321	Isla Guafo	43 34	74 45	140	1003·0	1020·2	+ 5·9	281·9	284·7	6th	277·8	274·0	1st	279·9	*279·8*	−1·1	42	− 66
1322	Punta Galera	40 1	73 44	40	1016·8	1021·7	+ 6·5	283·7	286·8	7th	278·9	276·0	2nd	281·3	*281·6*	−0·6	150	−179
1323	Sarmiento	45 30	69 0	274	985·4	1017·5	..	278·6	285·0	22nd	269·7	263·0	19th	274·1	275·0	−1·0	1	− 20
1324	Punta Madryn	42 49	W64 58	14	1017·3	1019·1	..	285·9	295·7	7th	274·1	268·0	25th	280·0	279·6	−0·2	0	− 13
1365	Launceston	41 27	E147 10	10·1	1010·3	1011·6	− 3·0	285·3	287·7	4th, 11th	277·6	271·8	22nd	281·4	*281·0*	+1·4	115	+ 37
1366	Hobart	42 53	147 20	53·9	1002·7	1009·6	− 4·0	285·3	291·3	4th	278·5	272·9	31st	281·9	*281·5*	+1·5	114	+ 60
1370	Invercargill	46 25	168 21	3·7	..	..	..	283·4	288·6	1st	274·2	269·7	26th	278·8	..	+0·7	85	− 2
1371	Dunedin	45 52	170 31	91·4	..	1011·4	− 0·5	279·4	285·2	14th	276·1	273·0	21st, 26th	277·7	..	−1·0	42	− 34
1371*a*	Christchurch	43 31	172 39	7·6	..	1011·3	− 2·1	284·4	292·8	16th	275·8	270·1	29th	280·1	..	+1·2	22	− 49
1372	Wellington	41 16	174 46	3·1	..	1013·9	+ 0·7	285·1	288·6	14th	279·2	272·1	11th	282·1	..	+0·4	117	− 26
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

JULY—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	1003·2	1010·0	+ 8·0	279·1	281·3	15th	275·4	270·0	23rd	277·3	*277·1*	+0·2	411	+179
1422	Puerto de Punta Arenas	53 10	70 54	28	1003·0	1006·5	+ 3·3	278·1	281·0	5th	274·2	269·0	24th	276·1	*276·4*	+1·9	37	+ 7
1423	Punta Dungeness	52 24	68 26	5	1005·5	1006·1	+ 3·9	278·1	281·2	22nd	273·6	270·4	24th	275·9	*276·2*	+0·7	14	− 30
1424	Santa Cruz	50 11	68 21	12	1009·1	1010·6	+ 2·9	279·2	285·9	30th	272·6	267·1	24th	275·9	275·7	+0·8	18	+ 1
1424*a*	Año Nuevo	54 39	64 8	50	995·4	1001·6	+ 1·7	276·9	279·2	30th	274·0	268·0	24th	275·5	*275·4*	+0·2	53	+ 8
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..		..	..		..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1002·2	1004·8	+ 2·2	277·8	280·8	22nd	273·1	269·1	11, 24, 25	275·4	276·0	+0·4	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	998·6	999·1	+ 1·1	275·7	280·7	23rd	269·3	263·5	12th	272·5	*272·9*	+1·8	125	− 14

JULY—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	991·2	992·1	− 2·5	267·9	273·6	14th	257·7	246·4	10th	262·8	263·2	+0·8	42	+ 12
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s		9h. 17h.	7h. 21h.		9h.	8h. 20h.	9h.
1	SSE	..	..	SW 2 Calm 0	S 2 S 1	..	SE 2	Calm 0 NE 2	SE 5
2	SSE	7·7	..	E 1 Calm 0	S 1 S 1	..	SE 4	Calm 0 E 2	SE 4
3	SSE	9·1	..	NE 1 Calm 0	S 1 S 2	..	SE 2	E 3 Calm 0	S 5
4	SSE	10·6	..	NE 1 WSW 2	S 2 SW 2	..	SE 2	E 1 NE 3	SW 3
5	SSE	13·2	..	Calm 0 Calm 0	S 1 S 1	..	SE 4	Calm 0 Calm 0	SE 3
6	S	13·9	..	Calm 0 SSW 2	S 1 S 1	..	SE 2	Calm 0 Calm 0	SW 2
7	S	8·1	..	SW 1 E 3	SW 1 SW 1	..	Calm 0	Calm 0 NE 2	SE 2
8	S	8·0	..	ESE 1 SW 1	N 1 SSE 2	..	SE 4	Calm 0 Calm 0	SW 2
9	SSE	6·0	..	ENE 1 SW 4	S 2 SW 2	..	SE 2	Calm 0 Calm 0	NW 2
10	SSE	6·8	..	Calm 0 SW 1	N 2 S 2	..	SE 4	NE 5 E 4	N 1
11	SSE	7·0	..	NE 1 Calm 0	N 2 SW 1	..	SE 2	NE 2 Calm 0	N 1
12	SSE	6·8	..	NW 3 SW 6	S 1 SE 2	..	SE 4	E 3 Calm 0	N 5
13	SSE	6·2	..	Calm 0 SW 2	SW 2 SW 2	..	SE 6	E 2 E 4	SE 2
14	SSE	3·0	..	SW 1 S 3	SW 1 W 2	..	SE 6	Calm 0 Calm 0	SE 2
15	Calm	1·0	..	NE 1 SW 1	S 1 SW 2	..	SE 4	Calm 0 E 2	NW 2
16	SE	3·0	..	Calm 0 SSW 1	W 1 SE 2	..	SE 4	Calm 0 E 2	NE 2
17	SSE	8·1	..	NE 1 S 1	N 2 SW 1	..	SE 6	Calm 0 NE 2	NW 2
18	SSE	10·0	..	Calm 0 Calm 0	N 2 N 1	..	SE 4	SE 4 E 3	SE 3
19	SSE	9·3	..	Calm 0 SW 1	S 2 S 1	..	ESE 10	E 4 Calm 0	NE 3
20	SSE	9·5	..	Calm 0 SW 2	S 1 S 1	..	ESE 4	NE 2 Calm 0	NE 4
21	SSE	7·5	..	SSW 1 SW 2	S 1 S 1	..	SE 4	NE 3 E 3	SE 4
22	S	6·2	..	S 1 SW 2	W 1 S 1	..	SE 4	Calm 0 Calm 0	SE 4
23	SSE	5·4	..	S 1 Calm 0	S 1 SE 2	..	SE 4	Calm 0 Calm 0	SE 4
24	SSE	6·8	..	Calm 0 S 1	N 1 SE 2	..	SE 2	E 3 SE 2	Calm 0
25	SE	7·5	..	Calm 0 SW 1	W 2 S 2	..	Calm 0	Calm 0 E 3	W 2
26	S	7·5	..	Calm 0 SSW 5	N 1 S 2	..	Calm 0	Calm 0 E 3	SE 0
27	S	5·9	..	SW 1 S 4	S 2 S 2	..	Calm 0	Calm 0 Calm 0	Calm 2
28	S	2·5	..	Calm 0 SW 4	S 2 NE 1	..	SE 2	Calm 0 NE 4	NW 4
29	Calm	1·4	..	NE 7 Calm 0	N 2 SE 2	..	Calm 0	Calm 0 Calm 0	SW 2
30	Calm	1·7	..	SW 1 SW 1	N 2 S 2	..	Calm 0	E 2 Calm 0	SW 2
31	S	8·0	..	SW 1 SW 3	Calm 0 S 1	..	SE 2	Calm 0 E 2	N 2
					NE 2 S 1	..	SE 2	Calm 0 ENE 3	NW 2
								NE 4 Calm 0	NE 2
Mean	..	6·9	..	0·9 1·7	1·4 1·5	..	3·0	1·2 1·5	2·5
§Resultant	165° (83)	..	..	205° (34)	190° (54)	..	135° (78)	80° (44)	135° (11)
§Normal	139° (86)	6·9	‖118° (75)	261° (37)	240° (26)	92° (88)	132° (88)	‖100° (58)	98°(51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 7608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1921.

‡‡ *Kara Sea.*—Light pack ice occurred north of Matoschkin Strait, but there was a great deal of open water south of the strait. Continuous easterly winds constantly drove the ice into Matoschkin Strait. The area covered was 236 × 10^3 sq. km. compared with a normal of 240 × 10^3 sq. km.

‡‡ *Barents Sea* was free of ice to Cape Nassau (Novaya Zemlya) except that later in the month ice was driven from the Kara Sea into the western end of the Matoschkin Strait. There is no information about the northern part of the sea. The area covered was 473 × 10^3 sq. km. compared with a normal of 519 × 10^3 sq. km. After that, a belt some 30 miles wide of heavy drift ice extended round South Cape to past Bell Sound.

‡‡ *Spitsbergen.*—On the 1st the ice was some 16 miles offshore at South Cape, but from the 9th to about the 15th the west coast and all the fjords were free of ice.

‡‡ *Iceland.*—From the 1st to 8th scattered ice was observed between Isafjordsdyb and Siglunes, and from the 22nd to 29th ice was seen north of Horn and old polar ice from Kogr into Hunafloj. Ice was also seen to the north of Grimsey on the 8th, 27th, 28th and 29th. The normal duration of average ice conditions is 4 days visible.

‡‡ *Greenland Sea and Denmark Strait.*—At the beginning of the month the scattered ice edge was met with a little west of Jan Mayen, but towards the end of the month the ice edge (closely packed) was lying in about 18°W. South of 70°N. the edge was more south-easterly than usual, while in Denmark Strait the position was normal except that a tongue of close ice extended south in 30°W. The area covered was 719 × 10^3 sq. km. compared with a normal of 718 × 10^3 sq. km.

‡‡ *N. Atlantic and Labrador.*—Fifty three icebergs were observed on the Newfoundland Banks to the south of the 48th parallel, the normal being 26. The southmost occurred in 39°N., the eastmost in 41°W. Few floes were observed. Much ice and many icebergs were lying round Belle Isle, icebergs being met with 250 miles east of the Island.

‡‡ *Davis Strait and Baffin Bay.*—Scattered ice was met with from Cape Farewell to Nunarsuit, the edge lying 60 to 80 miles offshore. From Nunarsuit to Upernivik the sea as well as the coast was free of ice, though a little scattered "Storis" was observed occasionally. Thus the "Storis" was scarcer than usual. Off Labrador the ice extended to 60 to 100 miles offshore. Off Hudson Strait the edge was met with in 62°W., but in the strait the ice was navigable. From Cape Murchison to Cape Dier the sea was free of ice, except midway in Cumberland Sound. Many icebergs were observed.

‡‡ *Bering Sea* and Bering Strait were free of ice. Towards the 31st a land water 5 miles wide extended from Point Belcher to Point Barrow, with open ice to the north.

‡‡ *Isforholdene i de Arktiske Have*, 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1921 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

AUGUST—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	1013·9	..	280·5	290·8	2nd	274·3	272·4	3, 27, 31	277·4	..	+0·6	9	− 11
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..		..	..		..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1008·2	1010·5	− 0·7	281·8	288·8	5th	275·1	272·0	11th, 17th	278·5	*278·0*	+0·1	65	+ 37
125																		
135	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1008·7	1010·1	− 2·4	..	287·3	4th	276·9	272·7	28th	..	278·7	+1·7	46	+ 25
140	Björnöen	74 28	19 15	40·5	1004·2	1009·2	..	..	..	..	..	..	..	..	*277·7*	..	54	..
141	Gjesvaer	71 6	25 22	6·5	1006·4	1007·2	− 3·8	..	293·8	14th	281·7	276·8	30th	..	*284·6*	+1·5	52	+ 8
142	Mehavn	71 1	27 47	6·4	1007·9	1008·7	− 1·8	..	291·9	17th	280·6	277·4	31st	..	*283·8*	+1·3	34	− 18
143	Vardö	70 22	31 8	10·0	1008·3	1009·5	− 2·2	..	289·0	17th	280·8	278·0	5th	..	*282·8*	+0·9	57	+ 3
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	1011·1	1012·5	+ 1·9	279·5	286·4	7th	275·2	272·6	26th	277·4	*277·4*	..	34	..

Between Latitude 70° N. and 60° N.

AUGUST—ZONE 2.

203	Nome	64 30 N.	165 24 W.	6·7	..	1008·4	− 0·6	286·8	290·8	10th	282·9	277·4	31st	284·9	*284·8*	+2·0	131	+ 51
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1011·8	+ 2·7	292·9	303·0	6th	279·5	272·4	21st	286·2	*286·9*	+1·2	67	+ 13
206	Rampart	65 30	150 15	122	..	..	..	293·7	304·1	4th	281·0	274·7	13th	287·3	..	+1·2	65	+ 28
207	Valdez	61 7	146 16	8·2	..	1014·5	+ 0·8	289·1	293·6	31st	280·7	276·9	23rd, 24th	284·9	*284·7*	+1·1	70	− 45
208	Eagle	64 46	141 12	254	..	1012·2	+ 2·5	294·7	303·0	5th	278·5	272·4	15, 22, 28	286·6	..	+1·8	15	− 33
209	Dawson	64 4	139 20	328	972·8	1011·5	− 1·7	294·7	304·1	6th	278·0	271·3	15th	286·3	..	+1·0	9	− 31
210	Carcross	60 11	134 34	662	..	..	..	290·3	295·8	sev. dates	278·1	274·1	23rd	284·2	..	+0·5	39	+ 18
211	Fort Good Hope	66 15	128 31	65·2	1005·4	1014·2	..	289·4	301·3	1st	278·2	272·4	7th	283·8	..	..	38	+ 20
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	991·9	1010·8	+ 1·0	289·4	298·6	1st	281·7	274·1	19th	285·6	..	−1·3	110	+ 73
225	Jacobshavn	69 13	51 2	12·6	1009·1	1010·6	+ 0·2	283·8	288·8	9th	277·1	273·8	9th	280·5	*280·8*	+1·2	37	+ 1
226	Godthaab	64 11	51 43	9·0	1007·6	1008·7	− 0·7	284·6	292·2	5th	276·1	272·4	9th	280·3	*279·6*	+0·4	..	..
227	Ivigtut	61 12	48 10	5·0	1010·3	1010·9	+ 1·1	284·6	291·5	4th	278·2	275·9	9th	281·4	*281·2*	−0·3	171	+ 75
229	Angmagsalik	65 37	37 33	31·7	1007·2	1011·1	− 1·2	283·8	289·7	3rd	275·0	270·7	26th	279·4	*278·5*	−0·3	41	− 19
231	Stykkisholm	65 5	22 46	20	1006·3	1008·7	− 1·1	283·7	287·5	16th	278·5	275·7	8th	281·1	*280·9*	−1·3	29	− 12
232	Vestmanno	63 26	20 15	7·7	1006·6	1007·5	− 1·5	286·0	290·1	3rd	279·8	274·9	26th	282·9	*282·5*	−0·7	50	− 28
233	Grimsey	66 33	17 58	22·0	..	..	..	280·3	286·0	15th	..	..	..	..	*278·4*	−1·4	..	..
234	Akureyri	65 40	18 4	35	..	1008·8	− 1·9	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1005·9	1008·1	− 1·4	284·7	290·0	28th	278·6	275·7	26th	281·7	*281·2*	−0·2	42	− 38
236	Thorshavn	62 3	6 45	26·3	1005·4	1008·6	− 1·3	284·7	287·7	19th	279·7	274·5	29th	282·2	*282·0*	−1·4	58	− 34
237	Lerwick	60 9	W 1 11	46·9	1004·0	1009·7	− 0·1	285·5	289·7	23rd	281·0	277·4	30th	283·3	*283·2*	−1·3	48	− 28
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1003·0	1008·3	− 2·4	288·6	296·6	23rd	283·1	277·5	31st	285·9	*285·5*	−1·3	151	− 8
239	Aalesund	62 28	6 10	6·3	1007·2	1008·0	− 2·4	..	292·2	2nd	..	281·0	29th	..	*284·5*	−1·5	180	+ 68
240	Trondhjem	63 26	10 25	39·5	1002·6	1007·4	− 3·1	288·0	295·4	2nd	281·7	276·1	26th	284·9	*284·3*	−2·0	91	+ 16
241	Bodö	67 17	14 24	22·4	1003·4	1006·1	− 4·2	..	292·5	7th	282·6	277·0	30th	..	*284·8*	−0·5	80	− 3
242	Haparanda	65 50	24 9	9·2	1006·2	1007·3	− 3·5	290·0	296·0	15th	283·5	274·0	23rd	286·7	*286·7*	+1·1	106	+ 52
242*a*	Helsingfors	60 10	24 57	11·7	1009·1	1010·6	− 0·9	291·9	300·2	4th	285·1	281·7	20th	288·5	288·5	+0·1	51	− 22
243	Kuopio	62 54	27 40	90·3	998·6	1009·2	− 2·3	292·0	299·8	4th	..	..	..	..	*288·4*	+1·6	46	− 27
244	Kola	68 53	33 1	6·7	1009·1	1009·9	− 0·6	289·0	295·3	16th	281·4	274·4	24th	285·2	*285·0*	+1·2	27	− 17
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1011·1	1011·9	+ 0·9	290·8	301·0	16th	282·6	276·1	24th	286·7	*286·4*	−0·1	53	− 9
247	Mezen	65 50	44 16	14·9	1010·3	1012·1	+ 1·9	290·4	301·0	17th	280·6	275·9	25th	285·5	*285·3*	+1·3	57	+ 5
248	Oust-Tsylma	65 25	52 18	? 68	1003·6	1011·8	+ 0·8	289·0	298·0	16th	280·1	274·4	21st	284·6	*284·2*	−0·2	37	..
249	Tcherdyn	60 24	56 31	?177	988·8	1009·9	− 0·7	291·8	299·7	18th	281·8	275·1	26th	286·8	*286·5*	−0·6	44	− 22
250	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1002·3	1007·1	− 3·1	..	293·5	1st	281·2	273·6	31st	..	*284·8*	−2·1	133	+ 52
253	Doudinka	69 23	86 4	? 20	1002·4	1004·8	− 4·1	..	297·8	3rd	279·9	273·3	28th, 29th	..	*283·0*	−0·9	90	+ 45
254	Touroukhansk	65 47	87 57	? 45	1000·8	1006·2	− 3·7	..	301·0	2nd	281·5	272·5	31st	..	*285·0*	−0·3	55	− 3
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	272·2	..	..	*287·2*	−0·1	45	+ 4
262	Iakoutsk	62 1	129 43	? 108	993·5	1006·3	− 2·7	..	303·2	3rd	281·4	270·0	26th	..	*287·8*	−0·3	10	− 39
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1008·4	+ 0·3	283·0	285·2	8th, 15th	279·8	278·0	5th, 7th	281·4	..	+0·3	106	+ 25
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1011·8	— 0·4	288·6	294·1	20th	282·8	278·6	7th	285·7	..	+2·0	37	— 45
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1012·8	+ 1·8	289·1	295·2	21st	282·7	280·2	22nd	285·9	..	+0·8	‡164	+ 18
309	Sitka	57 3	135 19	27·4	..	1015·9	+ 0·1	290·2	295·2	5th	282·5	278·6	12th	286·3	*286·2*	+0·2	146	— 34
310	Prince Rupert	54 18	130 18	51·8	1011·8	1018·1	+ 0·9	289·7	294·1	5th	283·0	280·2	4th, 27th	286·3	*286·6*	−0·5	122	+ 7
311	Barkerville	53 2	121 35	1274	870·3	1012·9	+ 0·2	289·1	296·3	1st	277·4	273·6	5th	283·3	*283·0*	−1·8	105	— 6
312	Kamloops	50 42	120 29	385	971·9	1016·3	— 0·4	299·7	308·6	1st	285·8	280·2	25th, 26th	292·7	*292·7*	−0·4	21	— 71
313	Calgary	51 2	114 2	1045	895·7	1012·0	— 0·8	298·6	305·8	2nd	280·2	275·2	26th, 29th	289·4	*288·7*	+1·6	41	— 23
314	Fort Chipewyan	58 42	111 10	218	984·4	1008·8	— 2·3	290·7	295·8	2nd	281·9	271·9	29th	286·3	*286·9*	−1·2	53	— 1
315	Prince Albert	53 10	105 38	442	960·7	1011·9	+ 0·3	296·9	303·0	15th	281·3	275·2	20th	289·1	*288·7*	+1·2	34	— 27
316	Qu'Appelle	50 30	103 47	645	937·9	1011·6	— 1·4	297·4	307·4	30th	281·9	272·4	20th	289·7	*288·9*	+0·5	39	+ 4
317	Minnedosa	50 15	99 50	515	953·4	1012·6	— 0·1	297·4	305·8	31st	282·4	274·1	20th	289·9	*289·3*	+1·0	94	+ 45
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	275·9	274·1	19, 25, 27	..	..	..	95	+ 41
318a	Port Nelson	57 4	92 36	14·9	1011·4	1013·2	+ 2·6	289·7	300·2	24th	278·6	273·6	16th	284·1	..	−0·6	81	
319	Fort Hope	51 33	87 49	‡260	984·1	1015·6	..	292·8	299·7	27th	281·8	275·2	1st	287·3	*‡287·5*	−0·8	140	+ 86
320	Moose Factory	51 14	80 30	9·1	1012·2	1013·3	— 0·2	..	..	..	..	..	..	..	..	..	105	+ 51
321	Fort George	53 50	79 5	97·5	..	..	..	287·4	299·7	26th	279·7	274·1	30th	283·6	..	..	..	+ 3
322	Mistassini Post	50 15	73 55	383	..	..	..	290·5	298·6	6th	279·5	273·6	23rd, 31st	285·0	..	−1·8	100	+ 31
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	288·6	295·2	30th	279·4	274·1	18th	284·0	..	−2·3	118	+ 56
326	Belle Isle	51 53	55 23	133	995·3	1011·6	0·0	284·8	289·1	11th	279·3	275·2	5th	282·0	*281·7*	−1·9	87	— 65
333	53°—48°N. 20°—15°W.	††50 16	††17 45	§(61)	..	1015·5	..	..	..	Sea Temp. 288·9—0·4	..	..	..	..	288·8	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1013·2	1014·8	+ 0·6	289·7	293·6	18th	285·0	278·0	30th	287·4	287·4	−0·5	154	+ 36
335	Aberdeen	57 10	W 2 0	26·8	1007·7	1011·0	— 0·4	288·6	294·7	1st	282·6	276·9	30th	285·6	285·7	−0·4	51	— 39
336	Greenwich	51 28	0 0	46·3	1008·0	1013·5	— 1·7	296·4	300·8	19th	284·9	277·4	31st	290·7	290·1	+0·8	17	
337	Uccle	50 48	E 4 22	100	1001·9	1013·7	— 1·9	297·5	306·6	2nd	285·3	278·8	31st	291·4	290·3	+1·2	21	— 51
338	De Bilt	52 6	5 11	3·0	1012·8	1013·2	— 1·5	296·0	305·0	3rd	284·7	278·7	31st	290·3	289·9	+0·2	30	— 51
338a	Hamburg	53 33	9 58	40·3	1008·2	1013·0	— 0·7	294·7	305·1	2nd	286·8	281·2	31st	290·7	*290·4*	+0·6	64	+ 3
339	Copenhagen	55 41	12 36	5·0	1010·8	1011·4	— 1·5	291·8	299·3	2nd	285·9	281·1	31st	288·9	*288·6*	−0·2	102	+ 55
340	Potsdam	52 23	13 4	84·9	1003·4	1013·4	— 1·3	298·0	308·6	2nd	285·5	280·1	31st	291·7	291·4	+1·7	63	+ 14
340a	Uppsala	59 51	17 38	24	1005·1	1008·0	— 3·1	293·0	302·2	3rd	283·0	277·6	27th	288·0	288·0	+0·4	51	— 1
341	Warsaw	52 13	21 1	133	998·6	1014·2	— 0·5	298·4	310·0	12th	286·0	280·3	31st	292·2	292·3	+1·4	64	— 1
342	Dorpat (Jurjev)	58 23	26 43	74·5	1003·4	1012·3	+ 0·8	294·1	304·9	4th	283·4	278·5	26th	288·8	288·4	+0·2	55	— 15
343	Petrograd	59 56	30 16	4·8	1011·4	1012·0	+ 0·2	293·0	301·7	4th	284·8	279·9	26th	288·9	*288·8*	+0·2	56	— 15
344	Kiev	50 27	30 30	183	992·0	1013·2	— 0·7	299·6	306·8	13th	287·4	281·9	28th	293·5	*292·8*	+1·2	41	— 31
344a	Moscow	55 50	37 33	167	993·6	1013·4	+ 1·0	294·6	304·8	17th	282·8	274·4	27th	288·7	*288·7*	−0·9	35	— 38
345	Saratov	51 33	45 57	?122	997·9	1012·2	+ 0·5	299·0	306·1	1st	287·3	279·7	30th	293·2	*293·1*	−0·5	0	— 37
346	Kazan	55 47	49 8	79·9	1002·2	1011·6	+ 0·8	296·3	305·8	20th	285·4	279·7	31st	290·8	*290·3*	−0·2	53	+ 6
347	Orenburg	51 45	55 6	109	996·7	1009·4	— 1·5	299·4	307·3	21st	286·1	280·2	12th	292·8	*292·9*	+0·6	42	— 1
348	Perm	58 1	56 16	163	991·1	1010·4	+ 0·2	293·1	302·6	23rd	283·4	277·5	30th	288·2	*287·7*	−0·5	48	— 3
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	975·6	1008·8	— 2·7	291·6	303·1	24th	282·3	274·6	30th	287·0	*286·4*	−1·5	84	+ 11
350	Tobolsk	58 12	68 14	108	995·2	1008·1	— 2·5	290·4	302·2	24th	281·8	272·3	29th	286·1	*285·6*	−2·8	84	+ 15
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	994·7	1007·5	— 2·5	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	989·5	1008·4	— 2·3	296·6	303·9	25th	283·0	267·9	30th	..	287·7	−1·9	43	+ 13
354	Tomsk	56 30	84 58	122	993·0	1007·5	— 2·2	..	299·7	1st	282·9	273·6	21st	290·8	*290·3*	+0·5	57	+ 14
355	Minousinsk	53 43	91 41	249	980·4	1009·4	— 1·6	..	305·2	1st	282·9	273·6	31st	..	*287·4*	−0·7	84	+ 41
356	Eniseisk	58 27	92 10	77·6	998·8	1008·1	— 2·1	..	298·3	13th	284·9	276·5	24th	..	*289·9*	..	38	— 2
357	Irkutsk	52 16	104 19	467	955·2	1008·7	— 1·6	298·8	305·2	10th	282·5	273·0	31st	..	*287·2*	−1·3	79	— 1
358	Kirensk	57 47	108 7	263	976·4	1007·1	— 2·6	..	304·1	15th	283·2	272·5	25th	291·0	*290·7*	+2·4	26	— 1
359	Tchita	52 2	113 30	674	..	..	..	..	..	5th	283·5	274·7	29th	..	*288·9*	+0·7	47	— 1
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	963·5	1007·7	..	296·1	306·0	3rd, 4th	278·3	270·6	28th	287·2	*287·5*	..	91	— 9
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	989·5	1005·8	— 0·1	302·1	309·9	6th	287·1	277·7	27th	294·6	*294·5*	+2·9	36	
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367					..	..	..	..	..	..	..	..	..	..	..	..	..	..
368	Petropavlovsk (Phare)	52 53	158 43	87·1	999·1	1009·5	— 0·2	..	293·7	25th	285·0	281·5	23rd	..	*287·0*	+2·5	25	— 5
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·4	1016·8	— 0·4	291·9	297·4	7th	283·6	281·9	11th	287·7	286·7	−0·6	22	+ 5
412	Portland, Oregon	45 32	122 41	46·6	1011·7	1017·3	+ 1·0	298·3	305·2	7th	286·7	283·0	4th	292·5	*292·1*	+0·3	8	— 8
413	Macleod	49 44	113 24	953	..	..	..	299·6	305·8	9th	281·9	276·9	26th	290·7	*291·0*	+0·8	53	+ 12
414	Helena	46 34	112 4	1253	874·8	1013·9	+ 0·3	300·7	306·9	30th	285·2	280·2	19th	292·9	*292·7*	+0·4	17	— 1
414a	Salt Lake City	40 46	111 54	1329	868·8	1013·9	+ 1·6	302·8	306·9	4th	290·6	286·9	16th	296·7	*296·9*	−0·2	21	+ 1
415	Cheyenne	41 8	104 48	1856	817·6	1015·6	+ 2·6	298·5	303·6	4th	284·8	279·1	17th	291·7	*291·6*	−0·2	15	— 23
416	North Platte	41 8	100 45	859	919·0	1016·2	+ 2·5	302·9	309·1	28th	288·6	284·1	7th	295·8	*295·4*	0·0	65	+ 5
416a	Bismarck	46 47	100 38	511	956·2	1015·6	+ 1·2	302·2	310·8	31st	286·2	279·7	14th	294·2	*294·0*	+0·9	5	— 46
417	Winnipeg	49 53	97 7	232	985·9	1013·0	— 0·8	297·4	307·4	31st	284·1	278·0	20th	290·8	*290·3*	+0·6	62	0
418	Duluth	46 47	92 6	345	975·3	1015·9	+ 1·1	295·3	305·8	29th	285·8	281·9	20th	290·6	*290·4*	+0·7	72	— 5
419	Port Arthur	48 27	89 12	196	992·0	1015·1	+ 0·4	295·8	306·3	29th	283·6	278·6	1st	289·7	*289·4*	+1·2	9	— 63
420	Chicago	41 53	87 37	251	987·9	1017·3	+ 1·4	295·7	305·8	19th	292·6	289·1	8th	295·7	*295·5*	+0·8	125	+ 46
421	Toronto	43 40	79 24	116	1003·7	1017·3	+ 1·8	298·0	305·2	30th	286·9	281·9	22nd	292·4	292·4	+0·2	53	— 17
422	New York (Central Park)	40 47	73 58	47·4	1013·2	1018·8	+ 0·2	299·9	308·0	30th	290·1	285·8	27th	295·0	294·6	−1·4	116	+ 4
423	St. John, N.B.	45 17	66 4	36·2	1011·9	1016·2	+ 0·8	293·0	298·0	3rd	284·1	280·8	26th	288·6	288·4	−0·3	61	— 37
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·5	1012·6	+ 0·3	286·9	291·9	29th	281·3	276·3	5th	284·1	*284·1*	−2·3	102	+ 15
424a	Sable Island (Main Station)	43 57	60 6	7·6	1017·0	1017·9	+ 1·1	291·9	295·2	20th	282·4	280·8	6th, 28th	287·2	*288·1*	−3·0	48	— 46
425	Port aux Basques	47 35	59 10	9·1	1013·9	1015·0	+ 0·2	290·2	293·6	12th, 23rd	283·0	278·0	6th	286·6	*286·6*	−0·7	112	— 5
426	St. John's, Newfoundland	47 34	52 42	38·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
430	50°—45° N. 35°—30° W.	††46 48	††32 40	§(61)	..	1018·3	..	..	..	Sea Temp. 290·9+0·8	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	939·9	1014·6	+ 0·1	302·5	309·7	6th	289·4	284·7	13th	296·0	*294·5*	−0·5	7	0
436	Nantes	47 15	W 1 34	36·5	1011·2	1015·6	— 1·5	296·1	302·2	5th	285·3	280·3	23rd	290·7	290·3	−1·0	47	— 2
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·3	1015·1	— 1·6	297·2	305·1	1st	285·9	280·3	31st	291·6	291·3	+0·6	64	+ 14
438	Marseille	43 18	5 23	75	..	1013·2	— 1·9	301·4	309·5	8th	288·9	283·6	23rd	295·1	*294·8*	+0·1	13	— 11
438a	Zurich	47 23	8 33	493	958·7	1015·4	— 2·1	297·7	307·4	10th	285·5	280·7	31st	291·6	290·7	+0·3	97	— 35
439	Rome	41 54	12 27	45·5	1008·2	1013·2	— 1·8	303·5	307·6	3rd	291·7	286·5	17th	297·6	*297·4*	+0·5	48	+ 21
440	Vienna	48 15	16 22	203	990·3	1013·9	— 1·5	297·9	306·3	12th	287·7	284·1	31st	292·8	292·7	+0·7	32	— 38
440a	Budapest	47 31	19 2	130	998·4	1013·5	— 1·6	302·3	311·7	12th	288·4	282·4	28th	295·3	*294·7*	+1·7	49	0
441	Sofia	42 42	23 20	550	951·2	1013·0	— 0·7	302·3	309·5	12th	288·7	282·9	18th	295·5	*295·1*	+2·0	80	+ 26
442	Bucharest	44 25	26 6	82	1003·7	1013·2	— 1·0	305·0	313·5	10th	290·1	287·1	15th, 19th	297·5	296·9	+1·7	11	— 40
443	Odessa (University)	46 20	30 46	65·3	1006·0	1013·6	— 0·8	301·2	305·5	7th	292·0	287·5	28th	296·6	*296·1*	+1·4	27	— 5
444	Kharkov (University)	50 0	36 14	140	996·8	1013·1	— 1·6	300·2	306·9	16th	286·1	280·2	11th	293·2	*293·2*	+1·5	36	— 15
444a	Novorossiisk	44 44	37 49	37·1	1007·5	1011·8	— 1·0	302·1	308·0	16th	292·0	285·5	26th	297·0	*296·8*	+0·4	53	+ 24
445	Tiflis	41 43	44 48	404	960·0	1011·5	— 0·6	302·7	308·5	11th	292·0	288·1	7th	297·4	296·9	−0·4	32	— 6
446	Astrakhan	46 21	48 2	— 20	1014·3	1012·0	— 0·4	300·3	304·0	6, 9, 11	291·8	283·3	31st	296·0	*295·7*	−0·7	1	— 11
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1014·7	1012·0	— 0·7	300·3	305·2	20th	292·4	283·6	31st	296·4	296·4	−1·3	24	+ 13
448	Krasnovodsk	40 0	52 59	— 5·9	1011·1	1010·4	— 0·7	304·3	309·1	22nd	295·5	288·8	30th	299·9	*299·5*	−2·0	3	— 2
449	Kasalinsk	45 46	62 7	67	1002·2	1010·0	— 0·5	302·0	308·4	26th	288·9	283·7	7th	295·4	*295·2*	−1·2	22	+ 14
450	Tachkent	41 20	69 18	478	953·9	1007·4	0·0	305·6	311·8	4th	288·7	283·7	31st	297·1	*296·7*	−0·8	1	0
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	299·7	307·0	5th	288·1	283·4	31st	293·9	*293·7*	..	57	..
461	Moukden	41 48	123 23	43·8	1002·0	1007·0	+ 0·2	302·3	308·3	21st	292·6	282·6	27th	297·5	296·7	+0·2	217	+ 80
462	Joshin	40 40	120 11	31·9	1005·6	1009·3	+ 1·0	299·9	306·0	10th	292·0	285·6	28th	295·9	295·5	+0·8	79	— 46
463	Yuki	42 20	130 24	65·6	1001·2	1008·8	+ 0·1	298·5	303·6	10th	290·4	281·8	27th	294·5	294·4	+0·1	55	— 94
464	Vladivostok	43 7	131 55	128	994·3	1009·1	— 0·4	298·8	305·0	15th	292·1	285·7	28th	295·5	294·8	+1·0	12	— 98
465	Ochiai	47 20	142 46	6·6	1007·3	1008·1	— 3·0	295·8	302·2	20th	285·1	278·7	25th	290·5	290·5	+1·1	30	— 63
466	Nemuro	43 20	145 35	26·7	1006·3	1009·4	— 2·1	294·2	300·5	9th	287·7	285·2	23rd	291·0	290·8	+0·8	48	— 62
466a	Syana	45 14	147 53	39·3	1004·8	1009·5	— 2·7	292·4	297·6	13th	285·4	278·7	12th	288·9	289·1	+0·6	115	+ 45
		N.	E.															

Between Latitude 40° N. and 30° N.

AUGUST—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1009·3	1015·2	+ 1·3	291·6	298·0	15th	285·1	283·6	3rd	288·3	*287·1*	−0·2	0	— 1
512	San Luis Obispo	35 18	120 39	61·3	1007·9	1015·2	+ 1·2	298·4	303·0	27th	284·2	281·3	25th	291·3	*290·1*	0·0	0	— 1
513	San Diego	32 43	117 10	26·5	1010·6	1013·5	+ 1·0	295·8	300·2	28th	290·4	288·6	18th	293·1	292·8	−0·6	0	— 2
514	Modena	37 48	113 54	1670	836·1	1013·5	+ 1·6	301·4	308·0	5th	285·0	281·3	18th	293·2	292·7	−0·6	62	+ 25
515	Santa Fé	35 41	105 57	2138	792·7	1014·5	+ 2·2	298·0	303·0	6th	285·8	282·4	31st	291·9	*291·0*	−1·5	94	+ 38
516	Denver	39 45	105 0	1613	841·5	1016·2	+ 2·7	301·2	306·3	4th	288·3	283·6	6th	294·8	*294·0*	−0·3	89	+ 54
517	Abilene	32 23	99 40	530	954·6	1013·9	+ 0·8	309·4	311·9	6th	295·9	290·8	31st	302·7	*302·0*	+1·7	23	— 36
518	Saint Louis	38 38	90 12	173	996·2	1016·2	+ 0·7	303·2	309·1	19th	293·3	286·9	15th	298·3	*298·4*	+0·2	70	— 3
519	Mobile	30 41	88 2	17·4	1016·0	1017·9	+ 2·5	305·6	310·2	22nd	296·5	293·6	29th	301·1	*300·3*	+0·8	213	+ 40
520	Nashville	36 10	86 47	166	999·0	1018·6	+ 2·7	303·6	308·6	1st	293·5	288·6	9th	298·6	*298·3*	−0·1	72	— 15
521	Charleston	32 47	79 56	14·6	1017·2	1018·9	+ 2·6	303·7	308·6	18th	296·6	291·3	27th	300·1	*299·8*	0·0	145	— 27
522	Washington	38 54	77 3	34·1	1014·8	1018·9	+ 2·8	301·1	306·9	20th	290·2	284·7	23rd	295·7	*295·8*	−0·8	28	— 77
523	Bermuda	32 17	64 46	46·0	1014·5	1019·8	+ 0·9	303·0	304·7	28th, 29th	296·3	293·6	20th	299·7	*299·5*	−0·6	121	— 17
524	Santa Cruz (Flores)	39 27	31 9	28	1022·7	1025·9	+ 2·4	298·5	301·7	5th, 6th	293·5	289·8	31st	296·0	*295·9*	+0·7	67	— 26
530	Horta	38 32	28 38	65	1017·9	1025·1	+ 2·4	299·2	303·7	6th	292·6	290·4	22nd	295·9	295·2	−0·1	23	— 58
531	Ponta Delgada	37 44	25 40	22	1022·2	1024·0	+ 1·7	297·5	299·8	7th	292·1	290·3	12th	294·8	294·7	−0·2	..	..
532	Faja de Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532a	Madeira (Funchal)	32 37	16 54	25	‡1016·9	‡1019·8	+ 0·5	297·0	298·2	11th	291·7	290·8	13, 26, 27	294·3	*294·4*	−0·9	46	— 13
533	Lisbon	38 43	9 9	95	1005·3	1016·3	— 1·0	300·6	308·6	7th	291·1	287·8	12th	295·8	*295·1*	+0·5	0	— 6
534	Melilla	35 18	2 59	8	1014·6	1015·5	— 1·8	302·1	309·2	3rd	292·7	289·0	13th	297·4	*298·4*	−1·9	2	0
535	Gibraltar	36 6	5 21	16·2	1013·6	1015·6	— 1·3	300·4	305·8	3rd	292·8	289·1	11th, 13th	296·6	*295·9*	−0·8	7	+ 4
536a	Colomb-Béchar	31 6	4 6	786	..	..	..	313·5	316·5	14th	295·6	292·0	20th	304·6	*304·1*	..	0	..
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

AUGUST—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1011·8	1014·5	— 2·9	302·5	307·2	8th, 9th	292·5	289·0	25th	297·5	..	—1·0	37	+ 19
538	Algiers (Bouzaréah)	36 48	3 2	342	975·6	1013·8	— 1·9	300·5	308·3	9th	292·7	290·1	26th	296·6	296·1	—0·6	8	+ 1
539	Tunis	36 48	10 10	21	1010·9	1013·3	..	305·6	310·5	11th, 20th	295·6	290·8	27th	300·6	*299·9*	+1·0	12	+ 4
539*a*	Malta	35 54	14 31	56·4	..	1013·3	— 0·9	302·1	308·0	24th	295·9	289·7	26th	299·0	*298·3*	—0·2	6	+ 1
540	Riposto	37 41	15 14	14·2	..	1014·9	— 1·4	301·7	305·0	7th	295·5	291·0	29th	298·6	*297·7*	—0·8	18	+ 10
541	Athens	37 58	23 43	107	998·2	1010·3	— 1·5	306·4	311·8	10th	296·3	291·6	18th	301·3	300·9	+1·4	0	— 6
542	Alexandria	31 12	29 53	32·0	1005·8	1009·4	— 0·7	305·0	307·4	29th	297·2	295·4	12th	301·1	*300·5*	+1·3	0	— 6
543φ	Nicosia (P.W.D.)	35 9	33 22	159	988·6	1006·2	— 0·4	309·6	313·6	28th	294·3	291·3	17, 18, 31	302·0	..	+1·0	0	— 6
544	Beirut	33 54	35 28	33·7	..	1007·1	— 1·1	304·4	306·2	12th	297·2	295·1	1st	300·8	*300·6*	+0·4	1	+ 1
545	Baghdad	33 21	44 28	38·1	995·9	1000·2	— 1·1	317·0	320·8	13th	300·3	294·1	27th	308·7	*305·8*	+0·9	0	+ 1
546	Lenkoran	38 46	48 51	— 20·0	1014·3	1012·0	+ 0·6	..	305·6	3rd	292·4	290·2	30th	..	*297·0*	—1·2	128	+ 81
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	305·4	309·6	4th	286·3	282·3	31st	295·9	..	—0·4	1	+ 1
549	Seistan	31 0	61 30	?	..	..	..	311·1	315·6	16th	296·4	291·1	18th	303·8	..	..	0	..
550	Quetta	30 11	67 3	1677	826·8	..	— 1·0	305·6	308·6	14th, 16th	288·7	282·6	20th	297·1	*296·8*	—0·5	19	— 3
551	Peshawar	34 2	71 37	339	961·9	999·1	— 1·4	311·1	314·6	30th	299·2	296·4	1, 2, 7	305·1	*304·6*	+0·7	41	+ 5
551*a*	Lahore	31 34	74 20	214	975·1	998·7	— 1·3	308·0	310·9	27th	300·0	297·5	9th	304·0	*303·6*	—0·1	137	+ 81
552	Simla	31 7	77 8	2205	811·1	..	— 0·6	291·1	293·1	1st	288·1	286·3	18th	289·6	*289·3*	—0·6	465	+ 3
552*a*	Leh	34 10	77 42	3503	664·2	..	— 0·6	297·5	300·1	27th	284·2	282·0	30th	290·8	*289·4*	+0·4	13	— 2
559	Hankow	30 35	114 17	37·0	1000·1	1004·3	— 1·6	305·3	311·5	2nd	297·6	292·3	28th	301·5	*300·9*	—0·9	104	+ 2
560	Tientsin	39 10	117 10	5·0	1006·7	1007·4	+ 0·3	302·2	307·0	22nd	294·1	288·7	27th	298·1	*297·7*	—1·5	138	— 4
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1003·5	— 2·4	306·0	310·6	3rd	296·9	294·2	31st	301·5	300·4	+0·5	285	+141
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1000·2	1008·0	— 0·7	302·1	307·7	14th	294·8	290·0	26th	298·5	297·9	+0·3	100	+ 20
562*a*	Nagasaki	32 44	129 52	133	991·9	1007·1	— 1·2	304·1	306·9	15th	296·7	294·5	1st	300·4	300·0	+0·5	44	— 20
563	Kyoto	35 1	135 44	42·9	1003·8	1008·8	— 0·2	305·6	309·2	8th	295·2	290·9	4th	300·4	299·6	+0·5	136	— 5
564	Tokyo	35 41	139 45	21·3	1007·4	1009·8	— 0·2	302·2	307·2	9th	295·2	290·4	31st	298·7	298·3	—0·1	155	— 80
565	Kanayama	37 53	140 46	24·6	1006·6	1009·5	— 0·6	301·7	309·3	10th	293·3	289·3	31st	297·5	297·1	+0·8	191	— 80
566	Miyako	39 38	141 59	30·4	1005·9	1009·5	— 1·1	300·8	307·4	10th	291·6	287·2	30th	296·2	295·6	+0·5	99	— 80

AUGUST—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·9	0·0	302·8	304·1	31st	294·9	292·4	20th	298·9	*298·4*	..	70	..
605	Honolulu	21 19	157 52	11·6	1015·0	1016·3	+ 0·2	301·4	303·6	..	296·2	294·1	..	298·8	*298·5*	0·0	24	— 13
614	La Paz	24 10	110 20	12	1009·1	1010·4	..	309·8	312·0	7th	296·4	294·0	1st	303·1	..	..	8	..
615	Chihuahua	28 38	106 4	1423	861·9	1012·2	..	302·1	305·5	5th	290·4	287·7	30th	296·2	*296·2*	..	95	..
616	Leon	21 7	101 41	1809	822·4	1009·4	+ 0·7	300·2	302·5	7th	287·6	285·0	21st	293·9	*294·3*	+0·9	85	..
616*a*	Monterry	25 40	100 18	528	954·7	1013·0	..	306·6	309·0	11th	295·2	294·0	20, 21, 28	300·9	*300·4*	..	13	..
617	Tulancingo	20 5	98 22	2180	794·7	..	..	294·1	296·0	..	282·8	279·0	..	288·5	288·6	—1·2	51	— 86
618	Galveston	29 18	94 50	16·5	1015·5	1017·6	+ 2·9	304·1	308·6	22nd	299·3	295·8	30th	301·7	*301·3*	+0·2	36	— 56
618*a*	New Orleans	29 57	90 4	16·2	..	1017·6	+ 2·6	306·2	310·2	21st	297·8	293·6	28th	302·0	*301·1*	+0·9	78	— 30
619	Merida, Yuc.	20 58	89 38	22	1013·1	1015·6	..	304·6	307·0	14th	296·0	294·6	3rd	300·3	*299·7*	..	97	..
620	Havana	23 8	82 21	24·3	..	1017·1	+ 2·0	304·6	306·3	3rd	297·1	295·6	10th	300·8	*300·2*	+0·1	62	..
620*a*	Key West	24 33	81 48	6·7	1016·2	1016·9	+ 1·5	304·2	305·2	22nd	298·6	294·7	26th	301·4	*301·4*	—0·4	115	— 54
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	304·4	..	..	297·4	..	..	300·9	*301·0*	—0·4	113	..
622	Watling Island	24 6	74 26	33·5	1014·6	1018·4	+ 3·3	..	305·2	25th	..	298·0	11th, 27th	..	*301·5*	..	..	..
633	Izaña	28 19	16 30	2367	771·1	..	..	295·0	300·0	2nd	285·6	278·7	20th	290·3	*289·8*	—0·3	0	..
634	La Laguna	28 28	W16 20	547	953·4	1015·3	— 0·3	300·7	308·5	9th	289·2	286·4	30th	294·9	*294·2*	—0·3	2	..
641	Siwa	29 12	E25 29	—23	1013·0	1010·3	..	313·3	316·9	24th	..	..	..	..	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	995·0	1007·9	— 0·7	309·4	313·6	28th	295·3	292·7	20th	302·3	*302·0*	+1·3	0	..
643*a*	Aswan	24 2	32 53	99·6	993·9	1004·8	— 1·5	316·3	321·1	27th	300·6	297·2	20th	308·4	*308·1*	+2·7	..	..
644	Tor	28 14	33 37	1·9	..	..	..	?309·0	?313·6	1st	?296·3	?293·0	6th	?302·6	..	..	0	..
647	Bushire	28 59	50 53	4·3	998·3	998·8	— 0·8	308·8	311·4	20th	302·4	298·6	28th	305·6	*305·0*	+0·2	0	..
648	Jask	25 44	57 47	4·0	998·8	999·3	— 1·7	308·7	314·5	1st	298·4	296·3	27th	303·5	*302·9*	—1·3	0	..
649	Karachi	24 53	66 57	4·0	1000·3	1000·8	— 1·1	302·9	304·6	5th	298·7	296·0	12th	300·8	*300·2*	+0·2	303	+201
650	Jacobabad	28 17	68 29	56·7	991·9	998·0	— 1·0	309·8	313·7	17th	301·2	298·8	1st	305·5	*304·9*	—1·5	2	— 1
651	Jaipur	26 56	75 52	436	953·5	1001·4	— 0·4	304·8	307·7	26th, 29th	297·7	295·9	29th	301·2	*300·4*	—0·6	267	+ 1
652	Nagpur	21 8	79 5	310	968·9	1003·4	+ 0·1	303·6	306·8	30th	297·0	294·9	19th	300·3	*299·5*	+0·2	189	— 1
653	Allahabad	25 25	81 51	94·1	990·1	1000·2	— 0·4	304·3	307·2	13th	298·6	296·0	19th	301·4	*300·8*	—0·7	277	— 1
653*a*	Darjeeling	27 3	88 18	2266	772·8	..	— 0·7	293·1	295·3	13th	287·8	286·0	8th	290·4	*290·1*	+1·0	678	+ 2
654	Calcutta	22 36	88 23	6·4	999·6	1000·4	— 1·6	303·8	306·0	11th	298·9	297·5	26th	301·3	*301·2*	+0·2	427	+ 1
655	Gauhati	26 8	91 41	59·7	996·5	1003·1	— 1·1	305·8	308·6	12th	298·8	297·6	24th	302·3	*301·5*	+0·5	310	+ 1
655*m*	Cherrapunji	25 15	91 42	1314	863·3	..	— 1·3	295·2	297·9	13th	292·2	290·9	5th	293·7	*293·3*	+0·5	1883	+1317
655*a*	Akyab	20 11	92 56	6·1	1003·0	1003·7	— 1·6	301·6	303·5	21st	297·1	295·7	6th, 26th	299·3	*299·4*	—0·9	1211	+ 821
656	Mandalay	21 59	96 0	76·2	996·0	1004·5	— 1·1	308·3	310·2	20th	298·9	297·2	30th	303·6	*303·2*	+0·8	122	— 120
656*a*	Tengyueh	25 2	98 33	1625	..	..	..	297·1	300·8	16, 17, 21	290·5	289·1	9th	293·8	*293·1*	+0·5	243	— 20
657	Phu Lien	20 48	106 38	116	989·1	1002·3	— 1·5	303·9	308·8	3rd	297·7	295·2	9th	300·8	300·3	—0·6	499	+ 97
658	Moncay	21 31	107 51	9	1001·5	1002·5	— 1·0	303·6	309·2	7th	297·6	295·4	11th	300·6	*300·0*	—0·7	769	+ 367
659	Hongkong	22 18	114 10	33·2	..	1003·6	— 1·5	303·8	306·4	22nd	298·9	296·4	8th	301·3	300·9	+0·4	392	— 10
660	Amoy	24 27	118 4	ca. 3	1002·6	1002·9	— 1·8	304·8	308·0	6th	299·6	297·4	7th	302·2	*301·8*	+0·2	236	— 146
661	Taihoku, Formosa	25 2	121 31	9·3	1002·3	1003·5	— 1·7	307·7	310·3	14th	297·0	294·5	1st	302·3	301·8	+1·1	97	— 53
661*a*	Basco	20 28	121 59	18·7	1000·4	1002·8	— 1·9	303·0	304·8	3rd	298·5	296·6	28th	300·7	*300·9*	+0·1	411	+ 261
662	Naha	26 13	127 41	10·5	1002·6	1003·8	— 2·9	304·4	307·7	3rd	298·2	296·3	25th	301·3	301·0	+0·2	308	+ 58
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1007·5	1007·9	— 0·5	302·6	305·7	6th	298·0	296·0	29th	300·3	300·0	—0·1	249	+ 55
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. φ For Cairo *see* No. 643.

AUGUST—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 12	103 45	509	956·7	1013·5	..	301·7	304·2	7th	296·1	294·6	20th	298·9	*298·2*	..	200	..
716	Morelia	19 42	101 7	1923	812·4	1012·9	..	295·8	299·2	22nd	287·0	285·6	19th	291·4	*290·4*	..	155	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·5	..	+ 1·1	297·3	300·1	7th	283·3	281·2	9th	290·3	*288·6*	—0·5	138	+ 16
718	Salina Cruz	16 12	95 12	56	1006·0	1012·4	..	305·3	307·5	29th	297·3	295·3	11th, 14th	301·3	*300·8*	..	21	..
719	San Salvador	13 42	89 13	682	936·3	1011·7	+ 0·7	304·4	305·6	13th	290·9	289·5	16th	297·7	*296·2*	—0·3	247	— 52
720	Belize	17 29	88 12	5·2	1013·2	1013·8	+ 1·7	..	..	..	296·1	294·1	21st, 29th	..	‡*298·7*	..	150	— 90
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·3	+ 1·5	304·2	305·5	3rd	295·0	293·9	20th	299·6	*299·3*	—0·2	195	+ 17
723	Port au Prince	18 33	72 22	37·4	1010·7	1015·0	+ 0·9	306·5	309·4	2nd	295·9	293·8	24th	301·2	*300·1*	—0·3	169	+ 34
724	Caracas	10 30	66 55	1042	899·8	1014·7	+ 0·4	298·8	300·0	10, 30, 31	286·5	284·9	21, 25, 29	292·6	*291·3*	—2·1	148	+ 38
724*a*	Montserrat	16 41	62 9	39·6	1010·4	1015·0	+ 0·2	304·2	306·3	22nd, 27th	296·9	294·7	25th	300·5	*300·0*	—0·2	117	— 62
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·8	‡1012·6	— 0·2	302·5	305·2	9th	296·7	294·1	10th	299·6	*299·0*	+0·2	269	+ 26
	Barbados	13 8	59 36	55·2	..	1013·6	— 0·1	303·2	304·5	29th	296·7	294·9	10th	299·9	*300·1*	+0·5	89	— 99
731	São Vicente, C. Verde Is.	16 54	25 4	11	1009·5	1010·7	— 1·8	301·3	302·5	10, 20, 28	..	..	..	..	*299·1*	+0·4	0	— 39
732	Santiago, C. Verde Is.	14 54	23 31	?40	1007·9	1012·4	— 1·1	301·9	303·8	28th, 30th	297·8	296·8	2, 16, 26	299·8	*299·9*	+0·3	0	—109
734	M'Carthy Island	13 27	16 36	1·8	1013·6	1013·8	+ 1·8	301·2	304·7	4th	296·1	293·0	14th	298·7	*299·0*	—0·5	366	—132
735	Ségou	13 33	14 45	1·1	..	..	..	305·0	308·0	3rd, 5th	296·7	295·2	13th	300·8	..	+0·4	330	+ 20
736	Timbuktu	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	*300·1*	..	249	..
737	Sokoto	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
738	Kaduna Capital	13 2	E 5 14	353	..	..	..	303·5	306·9	24, 30, 31	295·0	293·0	8, 9, 25	299·3	*298·6*	+0·1	242	+ 38
739	Hadeija	10 32	7 25	637	944·2	1015·5	+ 0·5	300·5	305·2	26th	292·4	290·8	31st	296·4	*295·8*	+0·1	298	— 23
740	Maiduguri	12 40	10 5	?	..	..	..	304·1	307·4	21, 24, 25	293·2	289·7	30th	298·7	*298·0*	—0·6	241	+ 36
741	El Fasher	11 47	13 11	361	..	..	..	304·3	309·1	3rd	294·9	293·0	17th, 26th	299·6	*299·0*	—0·3	281	+ 74
743	El Obeid	13 32	25 18	730	..	..	..	305·7	310·2	25th	293·0	290·6	16th	299·4	*298·2*	..	151	..
743*a*	Khartoum	13 11	30 14	569	..	..	..	?304·3	?308·0	8th	294·4	292·0	26th	?299·4	*?298·6*	—0·5	104	— 11
744	Port Sudan	15 37	32 33	390	965·2	1008·2	— 0·3	308·1	311·6	29th	296·7	292·8	30th	302·4	*303·2*	—0·8	163	+ 97
745	Berbera, Somaliland	10 22	45 2	9·5	1005·2	1005·9	+ 0·9	314·4	316·8	23rd, 24th	301·9	299·8	20th	308·2	*306·6*	+0·1	20	+ 19
746	Aden	12 45	45 3	28·7	1003·9	1004·9	— 0·7	314·8	317·4	7th	303·6	301·3	18th	309·2	*308·6*	+0·4	0	— 1
751	Bombay	18 54	72 49	11·3	1001·3	1004·7	— 0·3	305·4	308·1	30th	297·9	295·4	16th	301·7	*301·9*	—1·4	0	— 3
752φ	Kodaikanal	10 14	77 28	2343	1004·8	1006·2	— 0·7	301·8	303·0	5th	298·2	297·2	10th	300·0	299·7	—0·1	263	— 85
753	Bangalore	12 59	77 38	920	769·5	..	0·0	291·1	293·1	29th	284·3	283·3	13th	287·7	*286·8*	+0·4	298	+120
754	Madras	13 4	80 14	6·7	908·2	1008·4	0·0	301·1	303·7	25th	291·9	290·6	31st	296·5	*295·4*	+0·3	163	+ 31
	Vizagapatam	17 42	83 19	11·6	1006·3	1007·1	0·0	307·2	309·8	24th	298·3	295·6	25th	302·8	*302·1*	—0·1	195	+ 74
755	Port Blair	11 40	92 40	18·0	1002·1	1003·5	0·0	305·1	307·6	20th	299·7	297·6	2nd	302·4	*301·8*	..	80	— 62
756	Rangoon	16 46	95 48	5·5	1005·7	1007·8	— 0·6	302·3	303·4	4th	297·8	295·7	11th	300·1	*299·5*	—0·2	330	— 39
757	Saigon	10 47	106 42	11	1006·4	1007·1	— 0·5	302·6	308·6	17th	297·4	295·9	11th	300·0	*299·1*	+0·1	518	+ 17
758	Nhatrang	12 15	109 12	3·6	1006·0	1007·2	— 0·3	304·4	306·0	27th	297·4	295·4	30th	300·9	*300·4*	+0·3	137	—137
759	Bolinao	16 23	119 53	7·1	1004·4	1004·8	— 0·6	306·2	309·5	17th	297·3	296·3	3rd	301·8	*301·2*	—0·2	30	— 7
761*a*	Vigan	17 34	120 23	12·2	1003·3	1004·1	— 1·6	303·3	306·1	10th	297·2	295·4	7th	300·3	*299·7*	—0·1	754	+194
762	Manila	14 35	120 59	14·2	..	1005·1	— 1·2	302·9	306·6	1st	296·4	295·1	6th	299·7	299·8	0·0	1522	+833
765	Ormoc	11 0	124 36	5·6	1004·4	1005·7	— 0·2	303·3	306·2	1st	297·0	295·5	16th	300·1	299·4	—0·6	1001	+595
	Guam, Ladrone Is.	13 24	144 38	20·4	1004·2	1006·8	— 0·5	302·9	304·9	21st	297·5	296·0	13th, 31st	300·2	*300·2*	0·0	338	— 65
		N.	E.															

Between Latitude 10° N. and 0°.

AUGUST—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	306·1	307·4	sev. dates	297·2	295·2	15th, 25th	301·7	*301·1*	+0·6	88	— 35
821	Colon	9 23	79 23	11·0	..	1011·0	+ 0·7	302·9	304·7	19th	297·1	295·2	11th	300·0	*299·6*	+0·6	469	+ 88
822	Pogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	28	— 28
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·6	..	— 0·3	297·7	299·5	8, 27, 28	287·9	285·5	4th	292·8	*291·6*	—0·3	146	— 8
825	El Peru, Guayanavieja	7 19	61 49	220	986·2	1011·1	0·0	303·8	304·7	13, 18, 26	293·3	292·1	10th	298·6	*297·9*	—0·1	335	+141
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·1	+ 1·2	303·0	303·6	sev. dates	297·2	295·8	1st, 30th	300·1	*299·8*	—0·3	89	— 76
826*a*	Paramaribo	5 49	55 9	3·7	‡1014·2	‡1014·6	+ 1·2	304·3	306·0	20th	295·8	294·9	14, 18, 21	300·1	*298·8*	—0·1	193	+ 42
	Cayenne	4 56	52 21	6	..	..	..	306·2	307·2	27th	294·2	292·0	22nd	300·2	*299·3*	—0·4	194	+124
833	Konakri	9 4	13 42	16	..	..	..	..	..	..	296·0	294·0	21st	..	‡*298·5*	+0·5	1059	— 3
834	Freetown, Sierra Leone	8 29	13 9	68·3	1005·1	1013·0	+ 0·3	301·0	303·0	1st, 5th	295·5	293·6	25th	298·3	*297·5*	—0·2	1233	+304
835	Assuantsi	5 18	1 15	101	..	..	..	299·8	301·9	24th	294·2	290·2	3rd	297·0	*296·6*	..	58	..
836	Accra	5 33	W 0 12	25·1	1009·6	1012·5	..	301·1	301·9	25, 29, 31	295·5	294·1	2, 10, 15	298·3	*297·9*	+1·6	5	— 10
838	Lagos	6 27	E 3 24	6·7	1013·0	1013·7	— 1·0	301·3	302·6	..	296·2	294·7	..	298·7	*298·3*	+0·2	90	+ 19
839	Zungeru	9 48	6 10	130	..	..	..	303·1	305·8	21st	293·9	289·7	19th	298·5	*298·0*	—0·2	334	+104
841	Yola	9 12	12 30	259	..	..	..	302·9	305·2	2, 25, 31	..	..	..	..	‡*298·2*	—0·4	187	— 22
	Wau	7 42	28 3	440	..	..	..	?303·8	?307·0	8th, 28th	291·3	288·0	2nd, 4th	?297·6	*296·8*	—0·8	315	+108
843	Malakal (Kodok)	9 35	31 37	394	966·4	1010·6	— 0·4	303·5	306·8	26th	294·5	292·5	25th	299·0	*297·5*	+0·1	168	+ 7
843*a*	Mongalla	5 11	31 47	439	960·7	1009·4	— 0·3	303·8	306·3	9th	292·8	291·0	sev. dates	298·3	*297·4*	+0·1	159	+ 11
851	Entebbe	0 5	32 29	1171	884·5	1011·3	— 0·2	297·5	298·8	5th	288·9	287·0	8th	293·2	*292·9*	—0·2	55	— 23
851*a*	Mimicoy	8 17	72 49	2·1	1010·8	1011·0	+ 0·2	..	..	..	..	..	..	..	..	..	234	+ 54
852	Cochin	9 58	76 27	2·7	1010·2	1010·6	— 0·1	301·1	302·7	15th, 18th	296·4	295·4	2nd, 9th	298·8	*298·2*	..	579	+253
853	Colombo Observatory	6 54	79 53	7·3	..	1009·4	— 0·1	302·6	303·5	17th	298·1	295·4	10th	300·3	*299·7*	0·0	87	+ 10
854	Nuwara Elija	6 59	80 46	1886	811·7	1009·3	..	292·7	295·9	13th	285·7	282·4	14th	289·2	*288·5*	+1·0	216	+ 14
	Trincomalee	8 34	81 14	30·2	..	1006·6	+ 0·5	307·4	309·3	16th	297·7	293·8	17th	302·6	*302·0*	+0·3	56	— 54
865	Kuta Raja	5 32	95 20	7·1	..	1010·2	+ 0·1	..	..	..	..	..	..	..	..	..	68	— 45
866	Medan	3 35	98 41	25·0	..	1009·2	— 0·6	..	..	..	..	..	..	..	..	..	134	— 50
867	Penang	5 34	100 20	5·0	1009·6	1010·2	+ 0·3	304·7	306·3	14th	295·4	294·1	6th	300·1	*299·5*	—0·1	393	+ 70
868	Singap

AUGUST—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	305·4	307·0	29th	296·3	295·2	31st	300·8	*299·8*	−0·7	9	−34
926	Taperinha	2 30	54 20	20·0	1010·0	1012·2	− 0·4	303·4	305·2	31st	295·1	294·0	1st	299·2	*298·2*	−0·1	36	+ 32
927	Turyassu	1 43	45 26	15·1	1012·0	1013·7	+ 0·7	304·0	305·9	25th	294·9	292·6	11th	299·4	*298·7*	−0·3	105	+ 73
928	Barra do Corda	5 30	45 16	81·0	1001·8	1011·3	− 0·8	305·9	307·8	25th	292·0	289·2	11th	299·0	*297·2*	−1·0	0	− 9
929	Quixeramobim	5 16	39 15	207	990·5	1013·9	− 0·2	304·8	306·4	30th	295·7	294·4	2nd	300·2	*299·4*	−0·5	3	..
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1015·9	+ 0·5	295·8	301·0	28th	291·9	290·2	7th	293·9	293·5	+0·7	13	+ 12
940	Brazzaville	4 17	15 16	320	‡976·9	‡1013·0	..	303·1	307·0	10th, 25th	293·7	290·0	2nd	298·4	*297·8*	+1·8	0	− 6
943	Masaka	0 21	31 47	‡1280	..	..	..	299·2	300·8	5, 15, 21	287·8	286·3	1st	293·5	*292·1*	0·0	82	+ 25
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	294·7	298·0	24th	285·2	279·7	6th	289·9	..	..	4	− 21
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	294·1	297·4	24th	..	..	..	..	..	..	8	− 20
944*a*	Zanzibar	6 10	39 11	21·9	1016·7	1019·1	+ 0·5	300·3	301·2	27th	295·7	294·6	2nd	298·0	*297·1*	+0·1	15	− 35
945	Lamu	2 16	40 50	3·1	..	..	..	300·8	304·7	5th	296·3	295·2	5, 6, 15	298·6	*298·2*	−0·6	8	− 31
947	Seychelles, Port Office	4 37	55 27	4·6	1012·2	1012·7	− 0·2	..	..	..	297·4	296·0	4th	..	‡*299·3*	0·0	28	− 11
957	Padang	0 56	100 22	6·7	..	1010·0	− 1·1	..	..	..	..	..	..	..	..	..	238	− 107
958	Batavia	6 11	106 50	8·0	1009·4	1010·3	− 0·1	303·8	303·5	26th	296·1	294·9	9th	300·0	299·6	+0·5	52	− 121
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	0·0	..	..	..	..	..	..	..	..	..	97	− 4
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	2	− 90
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	17	− 75
962	Amboina	3 42	128 10	4·2	..	1011·0	0·0	..	..	..	..	..	..	..	..	..	575	+ 170
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	192	+ 52
965	Daru	9 4	143 13	7·6	..	1012·5	+ 0·2	300·2	..	..	295·6	..	..	297·9	*297·5*	−0·1	40	− 11
966	Port Moresby	9 29	147 9	39·0	..	1013·0	+ 1·0	300·4	..	..	295·9	..	..	298·2	*297·8*	−0·2	..	..
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·3	1011·5	+ 0·8	303·6	?305·6	19th	297·6	?295·7	1st	300·6	*300·4*	+0·6	158	− 87
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	..	..	303·8	304·7	19th	298·1	295·8	20th	300·9	*300·2*	0·0	32	− 87

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1013·2	+ 1·0	302·5	303·6	9th, 24th	296·4	294·2	19th	299·4	299·2	+0·8	59	− 251
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·9	304·1	8th	293·3	289·7	29, 30, 31	297·1	*296·9*	+1·0	157	+ 59
1021	Arequipa	16 22	71 33	2451	762·1	..	+ 0·8	292·3	293·8	4th	282·7	279·6	7th	287·5	*287·2*	+0·4	0	..
1022	Puerto de Arica	18 28	70 20	5	..	..	..	291·7	292·2	sev. dates	285·3	284·4	5th	288·5	..	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	730·3	..	..	289·5	294·8	26th	277·4	272·4	3rd	283·5	*283·8*	..	7	+ 5
1025	Corumba	18 59	57 39	116	999·5	1012·9	− 0·9	301·3	308·5	19th	291·1	283·6	3rd	296·2	*295·5*	+0·1	1	− 51
1026	Cuyaba	15 36	56 6	165	992·9	1011·6	− 0·8	307·0	311·0	19th	292·1	287·6	31st	299·6	*298·8*	0·0	0	− 41
1027	Bello Horizonte	19 55	43 57	895	..	..	..	..	..	..	..	..	..	..	*292·2*	+1·3	..	..
1028	Caetite	14 3	42 37	897	917·9	1017·2	− 0·2	298·8	303·4	31st	287·5	285·9	18th	293·2	*293·9*	+0·1	1	− 37
1029	Ondina (Bahia)	13 0	38 31	46·6	1011·7	1017·2	− 0·6	297·9	300·0	31st	293·6	292·2	25th	295·8	*295·8*	−0·4	91	+ 21
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	948·9	1016·3	+ 1·7	290·6	291·9	4th	284·9	284·2	18th	287·7	*287·5*	+0·3	117	+ 17
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	293·4	295·8	29th	286·8	281·5	7th	290·1	*290·1*	..	0	− 23
1042	Gwelo	19 28	29 48	1417	865·4	1020·4	+ 0·3	296·9	300·8	9th	279·5	273·0	1st	288·2	..	−0·2	0	− 23
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡858·7	‡1019·1	+ 1·1	297·0	301·3	11th	279·0	274·6	1st	288 0	*287·3*	−0·7	0	− 23
1044	Zomba	15 23	35 18	955	911·6	1018·3	+ 0·5	297·4	300·2	9, 18, 28	285·4	280·2	5th	291·4	*290·2*	+0·1	18	− 4
1045	Antananarivo	18 55	47 32	1400	868·7	1023·2	+ 0·6	294·5	297·1	23rd	281·7	278·1	29th	288·1	*286·9*	−0·1	4	− 54
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·9	1013·5	+ 0·1	300·3	302·3	28th	297·3	294·9	10th	298·8	*298·5*	−0·1	115	− 54
1057	Christmas Island	10 25	105 43	5·5	1009·6	1010·2	− 0·1	303·8	305·2	..	296·1	294·7	..	300·0	*299·3*	+0·6	58	− 111
1061	Kupang	10 10	123 34	45·1	..	1012·1	+ 0·1	304·6	306·3	22nd	294·8	291·7	21st	299·7	298·9	..	0	− 111
1061*a*	Derby	17 18	123 40	16·2	1014·3	1016·2	+ 1·6	303·8	307·4	15th	289·9	284·4	17th	296·9	..	+0·3	0	− 111
1062	Hall's Creek	18 13	127 46	374	974·8	1017·6	+ 2·1	303·2	305·8	31st	284·7	280·1	2nd	293·9	*293·2*	+0·2	1	− 111
1063	Darwin	12 28	130 51	29·6	1009·8	1013·1	+ 0·6	305·1	307·6	26th	293·5	289·8	3rd	299·3	*298·1*	0·0	0	− 111
1064	Daly Waters	16 16	133 23	211	990·1	1014·5	+ 0·5	302·4	306·9	26th	286·2	279·7	3rd	294·3	*293·6*	−1·5	0	− 111
1065	Mein	13 13	142 47	122	999·0	1013·0	+ 0·4	301·5	303·3	19th	290·7	284·9	5th	296·1	*295·4*	−0·8	0	− 111
1066	Georgetown, Queensland	18 22	143 32	302	982·2	1017·0	+ 1·2	301·8	304·7	23rd	285·8	274·7	2nd	293·8	..	−0·5	..	..
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1013·7	+ 0·7	300·3	..	..	296·3	..	..	298·3	*298·1*	+0·6	60	− 35
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	..	1016·2	+ 0·4	301·8	302·3	5th	289·7	288·2	10th	295·7	*295·5*	−0·4	287	+ 80

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

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Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	297·2	299·9	29th	292·2	288·8	17th, 18th	294·7	*294·5*	+0·5	63	− 50
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·6	1018·9	+ 0·9	287·3	289·9	19th	282·6	279·4	9th	284·9	*284·8*	−0·3	14	− 5
1122	Iquique	20 12	70 11	9	1015·9	1017·0	+ 0·4	290·4	291·7	21st	286·2	285·3	18th	288·3	*288·4*	−0·4	3	+ 3
1123	Catamarca	28 27	65 47	510	955·9	1015·2	− 0·2	295·6	308·9	25th	279·6	273·8	3rd	287·6	286·8	−1·1	7	+ 4
1124	Salta	24 46	65 28	1178	883·5	1015·1	− 0·4	294·4	306·2	18th	277·7	271·4	3rd	286·1	286·2	−0·3	2	− 1
1125	Goya	29 9	59 15	26	1012·1	1015·2	− 1·2	295·2	306·7	18th	283·0	273·5	31st	289·1	288·9	+0·7	21	− 14
1126	Asuncion	25 21	57 37	93	1003·9	1014·8	− 0·8	299·2	311·5	27th	288·1	277·5	31st	293·6	292·1	−0·2	46	+ 5
1127	Curityba	25 25	49 17	908	914·7	1016·9	− 1·6	294·7	300·3	19th	281·7	275·9	1st	288·2	*287·6*	+1·2	77	− 16
1128	Rio de Janeiro	22 54	W43 10	61·4	1009·8	1017·0	− 1·8	298·9	305·5	27th	292·0	288·8	1st	295·4	294·9	+1·4	4	− 44
1139	Windhoek	22 35	E 17 5	1680	..	..	..	295·3	298·0	17, 19, 30	281·7	280·7	10th	288·5	*288·4*	+0·6	0	− 2
1140																		
1141	Kimberley	28 42	24 47	1202	886·8	1022·3	+ 0·5	294·3	300·2	17th	275·6	269·5	28th	284·9	284·6	−0·7	0	− 6
1141*a*	Johannesburg	26 11	28 4	1806	825·3	1022·1	− 0·1	291·2	295·8	18th	278·6	269·7	10th	284·9	*284·5*	−0·5	0	− 13
1142	Pretoria (Brooklyn)	25 46	28 13	1400	866·8	1021·8	+ 0·4	294·8	299·7	24th, 25th	277·2	271·9	4th, 10th	286·0	*285·6*	−0·3	0	− 24
1142*a*	Bulawayo	20 9	28 35	1340	872·5	1020·2	+ 0·5	295·8	301·7	9th	279·8	273·6	2nd	287·8	*287·6*	−1·4	0	− 1
1143	Durban	29 52	31 3	15·2	1020·8	1022·6	+ 0·3	295·1	300·7	2nd	286·4	283·4	28th	290·8	*290·4*	−0·3	4	− 40
1144	Lourenço Marques	25 58	32 36	59	..	1021·4	− 0·3	297·8	304·5	9th	286·2	282·0	1st	292·0	291·6	−0·3	7	− 8
1147	Mauritius	20 6	57 33	55·2	1014·1	1020·6	+ 0·1	296·8	298·1	8th	289·6	284·5	24th	293·2	292·8	−0·2	73	+ 13
1159	Onslow	21 43	114 57	4·3	1016·0	1016·5	+ 0·3	299·3	302·7	15th	285·9	281·2	22nd	292·6	..	+0·5	74	+ 65
1160	Peak Hill	25 38	118 47	588	951·6	1019·4	+ 2·0	293·6	298·2	16th	281·8	277·7	13th, 22nd	287·7	..	−0·4	30	+ 17
1161	Nullagine	21 53	120 5	386	973·4	1018·2	+ 1·5	297·2	301·2	8th	282·3	276·6	18th	289·7	..	−1·2	23	+ 13
1162	Laverton	28 40	122 23	466	967·8	1022·2	+ 2·7	293·0	297·9	18th	279·2	274·0	22nd	286·1	*286·0*	0·0	20	+ 4
1163	Alice Springs	23 38	133 37	587	953·1	1021·4	+ 2·2	292·4	300·8	21st	276·4	271·9	17, 18, 19	284·4	*284·2*	−3·2	0	− 10
1164	William Creek	28 55	136 21	776·2	1014·6	1023·9	+ 4·3	292·3	300·8	20th	276·8	273·0	17th	284·5	*284·3*	−2·0	9	+ 2
1165	Boulia	22 55	139 38	146	1002·1	1019·5	+ 2·8	296·8	303·8	26th	280·8	276·0	2nd	288·8	*288·6*	−1·4	0	− 7
1166	Thargomindah	27 58	143 43	123	1007·4	1022·2	+ 3·1	292·3	298·7	21st	279·6	274·3	6th	286·0	*285·7*	−1·4	4	− 10
1167	Mitchell	26 32	147 52	336	982·7	1022·1	..	291·4	296·9	11th	277·3	270·8	6th	284·3	..	−1·4	51	+ 26
1168	Rockhampton	23 24	150 30	11·3	1019·2	1020·6	+ 1·7	295·4	299·9	24th	285·0	277·4	6th	290·2	*289·5*	−0·9	68	+ 43
1169	Brisbane	27 28	153 2	41·7	1017·4	1022·3	+ 3·1	292·9	296·6	27th	282·5	278·6	6th	287·7	*287·4*	−1·1	10	− 44
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1018·4	1020·2	+ 1·8	291·8	293·6	16th	286·6	284·7	18th, 26th	289·2	*288·8*	+0·3	93	− 57

Between Latitude 30° S. and 40° S.

AUGUST—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	1021·0	1022·2	+ 0·1	287·9	291·3	31st	281·4	276·8	2nd	284·7	*285·5*	−0·2	117	+ 5
1221*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1017·0	− 0·6	287·5	295·2	25th	281·3	276·0	3rd	284·4	*284·1*	−0·2	38	− 65
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1014·2	1019·2	+ 0·6	298·4	296·4	30th	279·1	275·2	6th	282·3	*282·1*	−1·2	52	− 12
1222*a*	Santiago	33 27	70 42	520	958·3	1020·0	+ 1·2	290·0	300·5	30th	276·6	272·0	7th	283·3	*282·4*	+0·5	52	− 6
1223	Cordoba	31 25	64 12	423	967·1	1017·1	+ 0·3	293·0	309·3	..	276·0	269·8	..	284·5	284·5	−0·5	15	+ 2
1224	Bahia Blanca	38 45	62 15	25	1012·9	1017·1	+ 0·1	288·9	297·2	22nd	276·5	271·0	8th	282·7	282·6	0·0	3	− 22
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·3	1018·2	− 0·3	289·0	297·1	25th	277·3	271·9	28th	283·1	283·1	−1·1	31	− 30
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1017·0	− 0·6	287·5	295·2	25th	281·3	276·0	3rd	284·4	*284·1*	−0·2	38	− 65
1227	Porto Alegre	30 2	W51 13	23·5	1012·5	1015·3	− 3·7	292·4	302·2	25th	283·6	276·8	21st	288·0	287·8	+0·2	183	+ 61
1240	Cape Town	33 56	E 18 29	12·2	..	1020·9	+ 0·7	288·5	295·2	24th	280·8	276·9	10th	284·6	*283·2*	−1·5	103	+ 17
1241	Danger Point	34 37	19 18	27·7	1010·9	1014·3	..	287·9	291·9	24th	281·1	274·1	11th	284·5	..	..	116	+ 28
1242	Riversdale	34 6	21 16	? 61	1008·0	1015·4	..	291·9	304·7	25th	277·9	271·9	7th	284·9	..	..	73	+ 37
1259	East London	33 1	27 54	9·8	1018·1	1019·3	− 0·6	295·5	302·4	27th	283·2	279·7	5th, 6th	289·3	..	+0·7	6	− 36
1260	Perth (Observatory)	31 57	115 51	60·0	1014·1	1021·3	+ 2·6	291·7	299·1	29th	282·2	278·1	26th	286·9	*286·9*	+0·6	93	− 51
1261	Katanning	33 42	117 35	310	985·0	1021·3	+ 3·3	289·4	294·7	29th	278·9	274·7	11th	284·2	..	+0·8	56	− 7
1262	Coolgardie	30 57	121 10	423	972·1	1021·8	+ 2·8	292·1	299·6	31st	279·2	274·6	10th	285·7	*285·6*	+0·7	40	+ 14
1263	Eucla	31 45	128 58	4·6	1021·8	1022·4	+ 4·4	291·4	301·1	8th	280·3	275·2	3rd	285·9	*285·6*	−0·6	20	− 4
1264	Streaky Bay	32 48	134 13	13·1	1022·3	1023·8	+ 4·4	290·5	296·9	31st	280·8	277·4	5th, 6th	285·7	*285·4*	0·0	37	− 12
1265	Adelaide	34 56	138 35	42·7	1018·2	1023·4	+ 4·2	289·7	297·0	21st	279·6	275·9	6th	284·6	284·1	−0·6	56	− 8
1266	Melbourne	37 49	144 58	35·1	1017·0	1021·3	+ 3·2	287·2	292·6	21st	279·4	275·2	3rd	283·3	*282·9*	−0·3	78	+ 32
1267	Bourke	30 13	145 58	111	1011·7	1024·9	+ 2·7	291·4	298·0	21st	279·1	275·8	6, 7, 26	285·3	..	−1·4	18	− 4
1268	Sydney	33 51	151 13	40·5	1016·2	1021·1	+ 2·9	291·2	296·2	10th	280·3	277·4	6th	285·8	*285·1*	0·0	24	− 52
1271	Lord Howe Island	31 20	159 0	4·6	1019·9	1020·7	+ 2·4	291·6	294·5	12th	284·6	279·6	18th	288·1	..	−0·5	103	− 30
1272	Auckland	36 50	174 50	38·1	..	1017·6	..	287·6	291·3	5th	281·4	278·6	26th, 27th	284·5	..	+0·3	66	− 41
	Napier	39 32 S.	176 53 E.	21·3	..	1015·6	+ 1·0	287·9	293·0	3rd	279·2	274·1	18th	283·5	..	+0·6	69	− 6

Between Latitude 40° S. and 50° S.

AUGUST—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1008·9	..	..	..	..	..	..	..	..	..	..	49	− 38
1321	Isla Guafo	43 34	74 45	140	996·2	1013·3	− 1·2	281·2	283·8	29th	277·5	274·0	5th	279·3	*279·3*	−1·2	120	− 11
1322	Punta Galera	40 1	73 44	40	1014·2	1019·1	+ 1·9	283·4	285·0	11th	278·9	275·4	27th	281·1	*281·4*	−0·8	279	+ 10
1323	Sarmiento	45 30	69 0	274	975·4	1007·2	..	282·4	288·6	31st	272·6	263·4	16th	277·5	277·1	−1·3	3	− 6
1324	Punta Madryn	42 49	W64 58	14	1009·3	1011·0	..	287·7	294·8	22nd	275·4	269·0	6th	281·5	281·6	+0·2	8	0
1325	Launceston	41 27	E147 10	10·1	1014·1	1015·3	+ 0·7	286·3	290·9	22nd	276·5	270·9	6th	281·4	*280·9*	+0·1	75	+ 5
1326	Hobart	42 53	147 20	53·9	1007·3	1013·9	+ 0·4	285·5	291·3	21st	278·1	273·1	1st, 19th	281·8	*281·3*	−0·1	64	+ 17
1327	Invercargill	46 25	168 21	3·7	..	..	..	284·0	289·1	11th	274·8	270·2	1st	279·4	..	−0·3	93	+ 7
1328	Dunedin	45 52	170 31	91·4	..	1012·8	+ 0·3	282·5	289·7	27th	277·1	272·4	5th, 7th	279·8	..	+0·1	60	− 20
1371	Christchurch	43 31	172 39	7·6	..	1012·4	− 2·1	285·2	293·0	12th	275·6	268·3	7th	280·4	..	+0·6	30	− 15
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1015·0	+ 0·6	286·2	288·7	23rd	278·7	272·3	7th	282·4	..	+0·2	83	− 31

* For formulæ employed see pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	992·6	999·4	— 3·6	277·7	279·6	30th	274·2	270·0	20th	275·9	275·9	—1·3	254	+ 50
1422	Puerto de Punta Arenas	53 10	70 54	28	994·2	997·7	— 6·1	277·3	280·9	31st	273·1	269·0	21st	275·2	275·6	0·0	15	— 13
1423	Punta Dungeness	52 24	68 26	5	996·6	997·2	— 5·9	277·0	282·8	31st	271·9	266·4	21st	274·5	274·9	—1·1	29	+ 14
1424	Santa Cruz	50 11	68 21	12	998·7	1000·2	— 8·2	279·3	286·7	31st	271·6	258·4	21st	275·5	275·6	—0·8	27	+ 21
1424*a*	Año Nuevo	54 39	64 8	50	989·9	996·1	— 3·9	275·4	278·6	31st	272·1	267·0	20th	273·7	273·5	—2·0	62	
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	995·3	997·9	— 6·3	276·4	280·2	14th	271·4	266·9	22nd	273·9	274·7	—1·3	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	992·9	993·4	— 6·7	273·6	278·6	5th, 9th	267·4	261·5	13th, 28th	270·5	270·8	—0·7	146	+ 23

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	988·6	989·5	— 5·8	263·6	274·3	8th	254·5	241·6	19th	259·1	259·7	—3·6	27	— 8
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.		9h.	8h. 20h.	9h.
1	SSE	6·1	SE	Calm 0 SW 1	S 2 SE 2	..	Calm 0	Calm 0 NE 2	NW 2
2	SSE	4·9	SE	SW 1 SW 1	E 1 S 1	..	SE 2	E 2 Calm 0	N 2
3	SSE	3·6	SE	Calm 0 SW 2	S 1 SE 1	..	SE 4	NE 4 Calm 0	N 3
4	SE	5·2	SE	Calm 0 SW 1	N 2 SE 1	..	Calm 0	E 2 Calm 0	NNE 3
5	SSE	5·7	SE	Calm 0 Calm 0	NE 1 W 1	..	SE 2	NE 4 Calm 0	N 1
6	SSE	7·8	SE	Calm 0 Calm 0	W 1 S 1	..	SE 2	E 4 NE 3	SW 2
7	SE	11·2	E	Calm 0 Calm 0	SW 1 S 1	..	..	NE 2 Calm 0	N 0
8	SE	12·9	SE	Calm 0 SW 5	S 1 SE 1	..	SE 2	E 4 E 2	Calm 4
9	SSE	12·1	Calm	Calm 0 S 2	S 1 S 1	..	SE 2	E 2 NE 4	SE 5
10	SSE	9·6	Calm	Calm 0 S 3	N 1 E 1	..	ESE 4	E 2 Calm 0	E 5
11	SSE	8·6	SE	SW 2 SW 2	N 1 SE 1	..	SE 4	Calm 0 E 2	SE 5
12	SSE	9·1	SE	SW 4 SW 1	E 1 S 2	..	SE 2	E 2 Calm 0	NE 5
13	SSE	7·4	SE	Calm 0 SSW 1	NE 1 S 1	..	Calm 0	Calm 0 Calm 0	ENE 5
14	SSE	8·9	SE	NE 1 SW 3	N 1 S 1	..	..	E 2 Calm 0	NE 5
15	SE	9·0	SE	SW 2 SW 1	S 2 SW 1	..	SE 4	Calm 0 E 2	NE 5
16	SSE	6·8	SE	Calm 0 SW 1	E 1 S 2	..	SE 2	NE 2 E 2	SE 5
17	SSE	12·5	SE	Calm 0 SW 1	S 1 W 1	..	SE 2	Calm 0 E 2	SE 5
18	SSE	13·3	SE	Calm 0 SW 1	W 1 S 3	..	SE 2	Calm 0 E 2	E 5
19	SSE	13·5	SE	Calm 0 WSW 1	N 2 S 1	..	Calm 0	NE 2 E 4	SE 5
20	SSE	11·9	SE	Calm 0 SW 2	S 1 E 1	..	Calm 0	SE 2 E 4	SE 4
21	SSE	11·8	SE	SW 1 SW 3	E 1 E 1	..	..	E 4 Calm 0	NE 5
22	SSE	12·7	SE	SW 4 SW 6	SE 1 SE 1	..	SE 2	E 2 Calm 0	NNW 5
23	SSE	9·8	SE	SW 2 SW 6	S 2 S 1	..	SE 2	Calm 0 E 4	SE 5
24	SSE	8·4	SE	SW 7 SW 4	S 1 SE 1	..	SE 2	Calm 0 Calm 0	W 2
25	SSE	9·6	SE	NNE 1 Calm 0	W 1 S 1	..	SE 2	NE 2 Calm 0	W 2
26	SSE	11·5	SE	Calm 0 SW 1	N 1 SE 1	..	SE 6	E 2 Calm 0	SW 2
27	SSE	8·0	SE	Calm 0 SW 2	N 1 S 1	..	SE 6	Calm 0 E 4	SE 5
28	SSE	8·0	SE	SW 2 SW 1	SW 1 NE 1	..	..	E 2 SE 4	SE 5
29	SSE	6·6	SE	Calm 0 Calm 0	NE 1 S 1	..	SE 6	Calm 0 E 2	NE 5
30	S	12·4	SE	NE 1 S 1	N 1 E 1	..	SE 4	NE 3 Calm 0	SE 5
31	SSE	10·8	SE	Calm 0 Calm 0	E 1 SE 1	..	Calm 0	E 4 Calm 0	NE 5
Mean	..	9·3	..	0·9 1·7	1·2 1·2	..	2·4	1·8 1·5	3·1
§Resultant	155° (92)	..	135° (92)	220° (48)	150° (39)	..	135° (77)	80° (53)	80° (36)
§Normal	141° (89)	8·1	‖ 123° (79)	250° (43)	250° (21)	93° (88)	135° (82)	‖105° (61)	103° (41)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ?608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1921.

‡‡ *Kara Sea.*—The Norwegian expedition reported that on the 3rd there was close ice at Pachtussov Island in lat. 74° 25′ N. and some drift ice in the fjords. The area covered was 223 × 10^8 sq. km. compared with a normal of 137 × 10^8 sq. km.

‡‡ *Barents Sea* was free of ice to the north of Novaya Zemlya. Later light pack ice was met with between the Oranien Islands and Great Icecape. By the end of the month the ice was still drifting westward through the Matoschkin Strait. The area covered was 315 × 10^8 sq. km. compared with a normal of 320 × 10^8 sq. km.

‡‡ *Spitsbergen.*—An ice belt extended from South Cape to Icefjord, but about the 15th this ice scattered and the sea along the whole west coast became free of ice, except round South Cape. Storfjord was blocked by close ice until about the middle of the month.

‡‡ *Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 2 days visible.

‡‡ *Greenland Sea and Denmark Strait.*—An edge of close ice occurred along 17½°W., from Shannon Island to Scoresby Sound. A belt of ice 12 miles wide lay close inshore at Angmagsalik early in the month, but later this width decreased to 8 miles and the ice became scattered. Heavy masses of ice were now and again observed from Cape Dan towards the northeast. The area covered was 478 × 10^8 sq. km. compared with a normal of 551 × 10^8 sq. km.

‡‡ *N. Atlantic and Labrador.*—Twenty-four icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 16. The southmost occurred in 43°N., the eastmost in 40°W. Icebergs and some drift ice were met with in Belle Isle Strait, the icebergs extending to 200 miles east of Belle Isle.

‡‡ *Davis Strait, Baffin Bay and Smith Sound.*—Except for a few masses of scattered "Storis" the coast from Cape Farewell to Upernivik was free of ice. Icebergs, however, were numerous. Scattered winter ice lay across Melville Bay. From Cape York to North Star Bay there was open ice and icebergs. Heavy land floes with a scattered ice edge 15 to 20 miles offshore were met with from Ponds Inlet to Cape Dier. Towards the 31st the southern coast of Hudson Strait and Ungawa Bay became free of ice. Repulse Bay became open to navigation on the 5th.

‡‡ *Bering Sea and Beaufort Sea.*—Along the north of Alaska and in the Beaufort Sea the coast was free of ice to Banks Land, where a firm ice edge was met with at Cape Kellett on the 24th. Further north there was firm ice everywhere which reached close inshore. Patches of thin ice were encountered between the mouth of the Lena and the mouth of the Olensk on the 1st and 2nd, but there was no ice there on the 7th.

‡‡ *Isforholdene i de arktiske Have*, 1921, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1921 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **SEPTEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	1009·1	..	274·2	286·9	9th	270·1	261·9	27th	272·1	..	—0·3	14	+ 1
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1007·2	1009·5	+ 1·1	276·6	283·3	7th	270·7	263·0	25th	273·7	273·0	—0·8	26	— 1
125	Jan Mayen	70 59	W 8 18	23·1	1005·4	1008·2	..	..	281·3	19th	274·4	270·5	24th	..	275·7	..	62	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1007·1	1008·5	— 1·1	..	278·7	5th	270·7	264·2	30th	..	272·1	—0·2	8	— 11
139	Björnöen	74 28	19 15	40·5	1002·0	1007·1	..	..	..	..	..	..	..	..	274·8	..	23	..
140	Gjesvaer	71 6	25 22	6·5	1004·6	1005·4	— 2·5	..	288·2	7th	277·4	272·3	14th	..	279·3	—0·2	94	+ 25
141	Mehavn	71 1	27 47	6·4	1004·8	1005·6	— 2·6	..	286·7	7th	277·1	271·7	11th	..	279·2	—0·4	109	+ 26
142	Vardö	70 22	31 8	10·0	1003·5	1004·7	— 4·1	..	284·6	9th	277·9	274·1	28th	..	279·4	+0·2	146	+ 84
143	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Waigatz	70 24 N.	58 47 E.	11·2	1004·0	1005·4	— 3·0	277·0	285·8	15th	273·1	266·2	29th	275·0	276·1	..	20	..

Between Latitude 70° N. and 60° N. **SEPTEMBER—ZONE 2.**

203	Nome	64 30 N.	165 24 W.	6·7	..	1008·1	+ 1·7	280·8	285·8	8th	273·1	268·6	20th	276·9	276·9	—1·4	41	— 27
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1016·2	+ 7·9	281·4	290·8	9th	269·5	262·4	27th	275·4	275·2	—2·3	49	+ 8
206	Rampart	65 30	150 15	122	..	..	..	280·7	293·6	9th	270·2	264·7	21st	275·4	..	—2·8	13	— 22
207	Valdez	61 7	146 16	8·2	..	1005·7	— 3·4	285·3	293·6	1st	276·5	271·9	21st, 29th	280·9	280·4	+0·2	150	— 63
208	Eagle	64 46	141 12	254	..	1007·8	— 1·0	282·9	290·2	10th	272·1	264·1	7th	277·5	..	—1·1	26	— 7
209	Dawson	64 4	139 20	328	968·0	1007·8	— 4·0	284·1	291·9	10th	270·2	260·2	7th	277·2	..	—1·6	9	— 39
210	Carcross	60 11	134 34	662	..	..	..	..	285·5	29th	273·6	267·4	8th, 9th	279·6	..	—0·7	34	+ 9
211	Fort Good Hope	66 15	128 31	65·2	1001·7	1009·8	..	280·4	291·3	11th, 12th	271·5	265·2	7th	275·9	..	..	17	— 1
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	988·1	1007·4	— 3·3	285·7	294·1	13th	276·3	271·9	10th	281·0	..	+0·4	36	+ 3
225	Jacobshavn	69 13	51 2	12·6	1006·8	1008·4	+ 1·0	277·5	288·9	1st	272·4	262·9	30th	274·9	274·7	—0·3	25	— 10
226	Godthaab	64 11	51 43	9·0	1003·4	1004·5	— 1·4	279·6	287·7	4th	273·1	268·9	27th	276·3	276·0	—0·2	..	..
227	Ivigtut	61 12	48 10	5·0	1003·2	1003·8	— 1·7	280·9	286·5	15th	274·9	269·1	26th	277·9	277·2	—0·8	62	— 91
229	Angmagsalik	65 37	37 33	31·7	1002·6	1006·5	— 1·0	278·7	285·0	3rd	273·1	268·4	30th	275·9	275·6	—0·6	108	+ 10
231	Stykkisholm	65 5	22 46	20	1003·5	1005·9	— 0·8	281·4	285·7	19th	276·7	271·9	12th	279·1	278·8	—1·0	106	+ 37
232	Vestmanno	**	**	**	..	1006·4	+ 0·1	282·4	285·7	10th	277·4	271·0	13th	279·9	280·1	—1·1	124	— 21
233	Grimsey	66 33	17 58	22·0	..	..	..	279·8	285·2	18th	..	..	..	..	277·8	—0·9	..	..
234	Akureyri	65 40	18 4	35	..	1007·0	— 0·8	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1006·2	1008·4	+ 1·0	282·8	286·2	22nd	276·4	270·1	13th	279·6	279·1	—0·8	171	+ 48
236	Thorshavn	62 3	6 45	26·3	1007·8	1011·0	+ 1·0	283·9	288·0	7th	279·5	274·8	13th, 29th	281·7	281·3	—0·4	107	— 13
237	Lerwick	60 9	W 1 11	46·0	1008·2	1014·0	+ 2·6	284·7	288·0	7th	281·1	275·8	30th	282·9	283·0	—0·4	90	+ 14
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·4	1014·7	+ 3·2	285·9	293·7	9th	280·8	274·7	30th	283·3	283·2	—1·1	242	+ 48
239	Aalesund	62 28	6 10	6·3	1011·9	1012·6	+ 2·2	..	292·3	10th	..	278·4	30th	..	283·3	—0·6	119	— 38
240	Trondhjem	63 26	10 25	39·5	1007·0	1011·8	+ 1·4	285·0	294·5	10th	278·3	273·6	20th	281·7	281·4	—1·3	133	+ 49
241	Bodö	67 17	14 24	22·4	1005·5	1008·2	— 0·9	..	287·2	10th	279·2	273·8	29th	..	281·5	—0·3	135	+ 20
242	Haparanda	65 50	24 9	9·2	1005·2	1006·3	— 4·1	284·1	288·0	3rd, 8th	277·1	272·0	30th	280·6	280·8	+0·2	39	— 16
242*a*	Helsingfors	60 10	24 57	11·7	1009·1	1010·6	— 2·2	286·5	291·0	11th	280·6	275·1	27th	283·6	283·4	—0·2	54	— 8
	Kuopio	62 54	27 40	90·3	996·4	1007·4	— 5·2	285·2	292·9	11th	279·2	274·8	30th	282·2	282·0	+0·2	69	+ 5
243	Kola	68 53	33 1	6·7	1003·4	1004·2	— 5·3	282·6	290·2	1st	277·2	270·2	28th	279·9	279·8	+0·7	85	+ 48
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1004·7	1005·5	— 6·1	284·6	292·9	12th	278·1	273·1	21st	281·4	281·0	0·0	40	— 15
246	Mezen	65 50	44 16	14·9	1003·2	1005·0	— 5·3	283·1	293·0	14th	276·3	271·2	9th, 28th	279·7	279·3	+0·4	69	+ 24
247	Gust-Tsylma	65 25	52 18	? 68	997·5	1005·9	— 6·0	282·0	293·7	12th, 14th	275·5	269·8	21st	278·8	278·2	—1·3	30	..
248	Tcherdyn	60 24	56 31	?177	985·9	1007·4	— 5·2	283·7	293·9	13th	276·6	269·7	22nd	280·2	279·6	—1·2	124	+ 59
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1005·8	1010·7	— 1·7	..	294·1	14th	275·9	265·1	23rd	..	279·9	—0·8	65	+ 17
252	Doudinka	69 23	86 4	? 20	1006·0	1008·4	— 2·5	..	287·3	20th	274·4	269·1	30th	..	277·3	+1·0	40	— 14
253	Touroukhansk	65 47	87 57	? 45	1006·8	1012·3	0·0	..	289·2	20th	276·6	270·6	1st	..	279·6	+1·8	71	+ 16
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	..	..	..	281·5	+3·3	49	+ 22
262	Iakoutsk	62 1	129 43	?108	1001·9	1015·1	+ 0·9	..	293·5	23rd	275·3	265·5	22nd	..	280·6	+1·9	38	+ 13
263	Verkhoiansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
** Station removed to 63° 24′ N., 20° 17′ W., 132 m., from September 17th.

(64527) RÉSEAU MONDIAL, 1921.

SEPTEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1008·8	+ 2·9	281·8	284·1	3rd	278·0	274·1	29th	279·9	..	−0·2	68	— 16
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·4	— 1·2	285·0	291·3	1st	279·6	273·6	30th	282·3	..	+0·6	109	— 46
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1004·0	— 2·1	286·2	293·0	1st	279·6	274·1	27th	282·9	..	+0·1	70	— 57
309	Sitka	57 3	135 19	27·4	..	1004·0	— 7·0	288·1	293·0	10th	281·0	277·4	8, 28, 30	284·6	*284·3*	+0·6	198	— 60
310	Prince Rupert	54 18	130 18	51·8	1006·4	1012·7	— 1·4	287·4	294·1	10th, 11th	281·3	277·4	10th	284·4	*284·5*	−0·5	211	+ 58
311	Barkerville	53 2	121 35	1274	866·9	1011·9	— 1·4	283·0	288·6	15th, 16th	273·0	268·6	10th, 11th	278·0	*277·7*	−2·6	173	— 16
312	Kamloops	50 42	120 29	385	972·1	1017·7	— 0·5	291·3	297·4	17th	280·2	273·6	30th	285·8	*285·8*	−1·9	12	— 8
313	Calgary	51 2	114 2	1045	892·5	1012·0	— 2·2	289·7	299·7	6th	273·6	266·9	15th	281·6	*281·1*	−1·7	27	— 26
314	Fort Chipewyan	58 42	111 10	218	981·0	1006·1	— 5·8	286·7	293·6	15th	276·0	266·3	9th, 11th	281·3	*281·8*	+0·9	9	— 41
315	Prince Albert	53 10	105 38	442	957·7	1009·9	— 3·0	289·7	296·3	1st, 7th	277·4	273·0	10th, 15th	283·6	*282·9*	+0·9	76	+ 15
316	Qu'Appelle	50 30	103 47	645	933·9	1008·8	— 5·4	290·8	302·4	1st	278·0	271·3	12th, 15th	284·4	*283·4*	+0·3	123	+ 12
317	Minnedosa	50 15	99 50	515	948·8	1009·0	— 4·9	289·7	301·9	1st	279·1	273·0	30th	284·4	*283·8*	+0·3	113	+ 17
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	277·8	274·1	11th	..	..	..	132	+ 52
318*a*	Port Nelson	57 4	92 36	14·9	1008·1	1009·9	— 2·6	284·1	295·2	1st	276·3	271·9	3rd	280·2	..	+0·5	70	+ 21
319	Fort Hope	51 33	87 49	‡260	979·3	1011·2	..	288·3	302·4	1st	278·9	271·3	26th	283·6	*‡283·6*	+1·5	131	+ 40
320	Moose Factory	51 14	80 30	9·1	1007·0	1008·1	— 7·4	..	..	..	..	..	..	..	..	..	124	+ 35
321	Fort George	53 50	79 5	97·5	..	..	..	284·8	292·4	1st	277·8	270·8	19th	281·3	..	..	..	+ 34
322	Mistassini Post	50 15	73 55	383	..	..	..	288·4	301·3	2nd, 3rd	276·7	264·3	21st	282·5	..	+0·2	126	— 23
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	285·4	294·7	4th	277·3	269·7	21st	281·3	..	−0·5	73	— 58
326	Belle Isle	51 53	55 23	133	992·5	1008·9	— 3·1	281·3	286·9	2nd Sea Temp. 288·5—0·1	276·7	271·9	21st	279·0	*278·8*	−1·9	63	— 51
333	53°—48° N. 20°—15° W.	††50 52	††17 21	§(47-48)	..	1015·1	..	..	..		..	..	..	288·8	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1017·4	1019·1	+ 3·5	289·6	292·4	22nd	284·4	278·6	16th	287·0	287·1	+0·5	37	— 21
335	Aberdeen	57 10	W 2 6	26·8	1013·5	1016·8	+ 3·3	288·7	295·2	7th	282·8	278·0	13th	285·8	285·4	+1·1	25	+ 1
336	Greenwich	51 28	0 0	46·3	1014·7	1020·2	+ 3·1	294·9	304·1	9th	282·6	275·8	28th	288·8	288·4	+1·6	46	— 6
337	Uccle	50 48	E 4 22	100	1008·5	1020·5	+ 4·1	295·6	302·8	9th	282·6	275·0	29th	289·1	288·4	+1·3	27	— 34
338	De Bilt	52 6	5 11	3·0	1020·0	1020·4	+ 4·6	294·1	301·0	9th	281·1	273·4	29th	287·6	287·0	0·0	21	— 40
338*a*	Hamburg	53 33	9 58	40·3	1015·6	1020·5	+ 4·4	290·8	299·8	9th	283·9	278·9	27th	287·3	*287·0*	−0·1	45	— 16
339	Copenhagen	55 41	12 36	5·0	1017·9	1018·5	+ 3·2	288·4	293·8	9th	282·6	278·3	30th	285·5	*285·7*	−0·7	38	— 23
340	Potsdam	52 23	13 4	84·9	1010·7	1021·0	+ 4·2	293·1	301·8	10th	281·7	275·4	27th	287·4	286·8	+0·7	27	— 34
340*a*	Uppsala	59 51	17 38	24	1009·6	1012·5	+ 0·1	287·9	296·1	10th	278·8	273·0	30th	283·4	283·2	−0·3	29	— 27
341	Warsaw	52 13	21 1	133	1004·4	1020·4	+ 3·5	291·7	299·4	11th	281·3	276·2	28th	286·5	286·5	−0·2	13	— 40
342	Dorpat (Jurjev)	58 23	26 43	74·5	1003·1	1012·2	— 2·0	287·3	296·0	10th	278·8	273·4	19th	283·1	282·7	−0·9	76	— 8
343	Petrograd	59 56	30 16	4·8	1009·2	1009·8	— 3·2	286·1	294·7	11th	279·9	275·7	28th	283·0	*283·0*	−0·7	52	— 16
344	Kiev	50 27	30 30	183	997·6	1019·6	+ 2·4	291·2	300·4	16th	280·0	273·0	20th	285·6	*284·8*	−1·9	15	— 49
344*a*	Moscow	55 50	37 33	167	992·4	1012·6	— 3·4	285·8	295·6	13th	278·6	273·2	29th	282·2	*282·1*	−1·8	44	— 19
345	Saratov	51 33	45 57	‡122	999·4	1014·2	— 2·2	289·1	301·0	1st	280·6	274·5	10th	284·8	*284·5*	−2·6	64	— 8
346	Kazan	55 47	49 8	79·9	1001·2	1010·9	— 3·3	287·0	300·9	1st	278·9	272·3	30th	283·0	*282·4*	−1·6	31	— 41
347	Orenburg	51 45	55 6	109	999·9	1013·1	— 3·2	290·2	299·4	7th	279·3	269·1	22nd	284·8	*284·2*	−1·5	38	— 34
348	Perm	58 1	56 16	163	989·9	1009·7	— 3·7	284·4	295·2	17th	277·4	271·3	22nd	280·9	*280·7*	−1·4	83	— 3
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	976·6	1010·5	— 4·2	284·5	294·1	15th	277·0	270·0	22nd	280·8	*280·3*	−1·5	67	— 4
350	Tobolsk	58 12	68 14	108	999·1	1012·3	— 2·2	286·4	295·5	15th	277·3	269·5	23rd	281·8	*281·3*	−0·7	40	— 31
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	‡108	1001·5	1014·6	— 1·6	..	296·3	4th	278·2	272·4	22nd	..	*283·5*	−0·1	40	— 31
353	Barnaoul	53 20	83 48	162	999·1	1018·8	+ 1·3	290·2	299·0	9th	277·4	270·5	27th, 29th	283·8	*283·5*	−0·1	34	— 37
354	Tomsk	56 30	84 58	122	1001·1	1016·0	— 0·3	..	295·7	21st	278·4	271·5	25th	..	*282·7*	+0·8	48	— 23
355	Minousinsk	53 43	91 41	249	989·5	1019·5	+ 1·1	..	296·4	10th	276·7	271·1	26th, 27th	..	*283·7*	..	21	— 49
356	Eniseisk	58 27	92 10	77·6	1007·9	1017·4	+ 0·3	..	293·8	23rd	275·9	270·2	17th, 26th	..	*281·0*	−0·2	53	— 23
357	Irkutsk	52 16	104 19	467	964·4	1020·1	+ 1·4	289·7	301·0	1st	276·1	269·5	6th	282·9	*282·5*	+0·9	35	— 39
358	Kirensk	57 47	108 7	263	986·8	1018·8	+ 1·4	..	296·5	24th	275·1	267·6	28th	..	*280·5*	+0·4	31	— 43
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	970·2	1015·6	..	291·1	300·8	1st	272·7	262·2	30th	281·9	*281·8*	..	34	— 39
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	997·5	1014·4	+ 2·4	294·6	306·5	14th	280·2	271·5	24th	287·4	*287·0*	+2·0	16	— 57
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	1004·0	1014·6	+ 4·4	..	290·3	1st	279·9	275·5	30th	..	*282·1*	+0·1	14	— 39
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

SEPTEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1007·8	1016·3	— 0·2	289·1	293·6	5th, 10th	281·9	278·6	29th	285·5	285·0	−0·3	71	+ 20
412	Portland, Oregon	45 32	122 41	46·6	1012·0	1017·3	+ 0·8	293·9	298·6	10th	283·7	279·7	24th	288·8	*288·4*	−0·5	78	+ 33
413																		
414	Macleod	49 44	113 24	953	..	..	..	288·8	298·0	1st	277·2	266·9	13th	283·0	*282·8*	−1·6	27	— 5
414*a*	Helena	46 34	112 4	1253	873·4	1015·2	+ 0·1	289·0	298·6	1st	277·9	270·8	11th	283·4	*283·4*	−2·9	28	— 4
415	Salt Lake City	40 46	111 54	1329	867·2	1013·5	— 0·3	296·6	303·0	22nd	283·4	277·4	30th	290·0	*290·3*	−1·1	11	— 12
416	Cheyenne	41 8	104 48	1856	813·7	1012·2	— 1·8	295·6	300·8	23rd	279·8	273·0	29th	287·7	*288·4*	+1·4	1	— 27
416*a*	North Platte	41 8	100 45	859	916·4	1014·5	— 0·6	299·6	308·0	23rd	283·1	273·6	30th	291·3	*291·3*	+1·0	25	— 12
417	Bismarck	46 47	100 38	511	952·9	1012·8	— 2·3	294·6	306·9	1st	281·7	274·1	25th	288·1	*288·1*	+1·1	42	+ 9
418	Winnipeg	49 53	97 7	232	981·6	1009·1	— 5·6	291·9	305·8	1st	281·9	275·2	30th	286·9	*286·1*	+2·0	92	+ 34
	Duluth	46 47	92 6	345	971·2	1012·2	— 3·2	292·0	304·7	1st	283·1	276·3	30th	287·6	*287·1*	+1·3	78	— 17
419	Port Arthur	48 27	89 12	196	987·5	1010·7	— 5·0	291·9	304·7	1st	282·4	274·7	30th	287·2	*286·9*	+2·6	72	— 12
420	Chicago	41 53	87 37	251	985·6	1015·2	— 2·2	297·8	304·1	1st	290·5	283·6	30th	294·1	*294·2*	+2·8	145	+ 68
421	Toronto	43 40	79 24	116	1001·0	1014·6	— 3·3	297·4	305·8	2nd	286·3	279·7	26th, 27th	291·9	291·8	+3·8	32	— 49
422	New York (Central Park)	40 47	73 58	47·4	1011·5	1017·0	— 3·7	300·1	308·6	3rd	280·5	286·3	19th, 24th	295·3	294·6	+2·2	71	— 19
423	St. John, N.B.	45 17	66 4	36·2	1010·5	1014·9	— 2·6	291·9	303·6	3rd	283·0	276·3	21st	287·4	287·0	+1·1	96	+ 1
424	S.W. Point, Anticosti	49 24	63 33	9·1	1010·0	1011·1	— 2·9	284·7	290·8	2nd	279·1	273·0	21st	281·9	*281·7*	−0·4	109	+ 39
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1015·1	1016·0	— 1·8	292·2	296·9	17th	281·1	275·2	22nd	286·6	*287·7*	−1·7	39	— 47
425	Port aux Basques	47 35	59 10	9·1	1011·7	1012·8	— 2·6	287·4	293·6	3rd	280·8	274·7	22nd	284·1	*284·1*	−0·2	125	+ 11
426	St. John's, Newfoundland	47 34	52 42	38·1	1005·7	1010·3	— 3·6	288·6	297·4	3rd	280·8	273·0	22nd	284·7	*284·5*	−0·3	107	+ 15
430	50°—45° N. 35°—30° W.	††47 56	††32 19	§(20–23)	..	1018·4	..	..	..	Sea Temp. 289·3—0·5	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	940·8	1016·2	+ 0·2	299·0	304·6	1st	288·0	284·8	25th	293·5	*292·2*	+1·9	63	+ 26
436	Nantes	47 15	W 1 34	36·5	1014·1	1018·4	+ 1·2	297·4	302·1	14th	285·1	276·9	29th	291·3	290·7	+1·9	24	— 23
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1014·2	1020·2	+ 2·7	296·1	304·2	15th	283·3	275·8	29th	289·7	289·3	+1·6	25	— 28
438	Marseille	43 18	5 23	75	..	1017·6	+ 1·4	299·9	301·9	22nd	288·5	282·1	30th	294·2	*293·5*	+1·6	9	— 48
438*a*	Zürich	47 23	8 33	493	963·2	1020·6	+ 1·8	295·4	301·4	15th	283·9	275·6	29th	289·7	288·6	+1·3	90	— 15
439	Rome	41 54	12 27	45·5	1012·6	1017·8	+ 1·1	300·4	303·2	5th, 13th	290·1	285·4	29th	295·3	*294·8*	+1·3	33	— 38
440	Vienna	48 15	16 22	203	997·2	1021·4	+ 3·8	292·6	300·9	16th	283·0	274·2	29th	287·8	287·7	−0·3	27	— 17
440*a*	Budapest	47 31	19 2	130	1005·5	1021·1	+ 3·6	297·1	305·1	16th	282·5	274·5	29th	289·8	*289·1*	+0·2	15	— 40
441	Sofia	42 42	23 20	550	957·0	1021·0	+ 4·2	295·0	304·3	17th	281·8	273·6	22nd	288·4	*288·0*	−1·2	34	— 19
442	Bucharest	44 25	26 6	82	1011·4	1021·2	+ 3·7	296·8	307·2	17th	282·3	275·7	29th	289·5	289·3	−1·0	25	— 18
443	Odessa (University)	46 29	30 46	65·3	1013·3	1021·2	+ 3·5	292·3	300·3	4th	283·3	276·7	21st	287·8	287·7	−2·2	16	— 16
444	Kharkov (University)	50 0	36 14	140	1001·4	1018·3	+ 0·3	290·8	297·4	4th	278·7	270·4	20th	284·8	*284·5*	−1·8	39	+ 7
444*a*	Novorossiisk	44 44	37 49	37·1	1013·4	1017·8	+ 1·4	292·9	300·5	1st	284·6	278·0	30th	288·8	*288·3*	−3·6	131	+ 76
445	Tiflis	41 43	44 48	404	969·4	1015·9	— 0·8	296·0	301·2	7th	286·5	279·1	30th	291·3	290·9	−1·6	8	— 42
446	Astrakhan	46 21	48 2	— 20	1018·3	1015·9	— 1·3	294·5	303·0	7th	283·2	275·0	21st	288·8	*288·6*	−1·8	23	+ 9
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1019·0	1016·2	— 1·5	293·5	301·1	6th	286·3	278·9	22nd	289·9	*290·0*	−1·8	16	+ 1
448	Krasnovodsk	40 0	52 59	— 5·9	1014·7	1014·0	— 2·1	298·7	305·6	7th	291·0	283·3	22nd	294·8	*294·4*	−2·2	0	— 7
449	Kasalinsk	45 46	62 7	67	1008·7	1016·7	+ 0·2	295·9	304·0	8th	283·9	276·5	22nd	289·9	*289·1*	−0·4	12	+ 4
450	Tashkent	41 20	69 18	478	959·1	1013·8	— 0·9	301·4	307·2	10th	284·0	278·4	24th	292·7	*292·1*	0·0	8	+ 4
451	Narynskoe	41 26	76 2	‡2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	295·7	303·1	10th	282·9	274·0	23rd	289·3	*289·3*	..	25	..
461	Moukden	41 48	123 23	43·8	1010·5	1015·7	+ 2·0	295·2	305·2	15th	284·1	278·7	24th	289·7	288·9	−0·6	82	— 9
462	Joshin	40 40	129 11	31·9	1011·6	1015·4	+ 1·8	295·7	300·3	13th	286·7	282·0	27th	291·2	290·8	+0·2	67	— 53
463	Yuki	42 20	130 24	65·6	1007·4	1015·2	+ 1·2	294·0	299·3	14th	285·0	280·3	25th	289·5	289·4	−0·1	110	— 21
464	Vladivostok	43 7	131 55	128	1000·6	1015·8	+ 1·5	293·5	301·7	14th	286·1	278·6	24th	289·8	289·2	−0·4	105	— 7
465	Ochiai	**	**	**	‡1012·9	‡1016·2	+ 3·1	292·1	299·3	5th	279·2	269·0	25th	285·7	286·1	+0·8	60	+ 54
466	Nemuro	43 20	145 35	26·7	1013·1	1016·3	+ 2·4	292·1	297·7	7th	285·7	282·4	16th	288·9	288·8	+0·7	187	+ 47
466*a*	Syana	45 14	147 53	39·3	1012·4	1017·1	+ 2·8	291·2	295·5	1st	282·7	275·4	11th	286·9	287·2	+1·1	87	+ 1
		N.	E.															

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1007·7	1013·5	— 0·7	294·7	306·9	28th	286·1	284·1	16th	290·4	*289·0*	+0·8	9	— 1
512	San Luis Obispo	35 18	120 39	61·3	1006·2	1013·5	— 0·5	298·4	312·4	26th	283·6	279·7	13th	291·0	*289·9*	+0·3	10	+ 3
513	San Diego	32 43	117 10	26·5	1008·9	1011·8	— 0·5	295·6	304·7	27th	289·1	285·8	24th	292·3	*292·0*	−0·4	31	+ 29
514	Modena	37 48	113 54	1670	833·7	1012·2	— 0·7	298·6	303·0	26th	278·8	273·0	30th	288·7	*288·9*	+0·5	6	— 20
515	Santa Fé	35 41	105 57	2138	789·5	1010·8	— 2·3	297·4	301·3	27th	283·6	277·4	30th	290·5	*290·5*	+1·6	5	— 34
516	Denver	39 45	105 0	1613	837·4	1012·5	— 1·7	298·9	305·8	14th	282·5	275·8	30th	290·7	*291·1*	+1·0	1	— 25
517	Abilene	32 23	99 40	530	953·2	1012·8	— 1·8	306·4	309·7	4th	294·1	281·9	30th	300·2	*299·4*	+3·0	24	— 44
518	Saint Louis	38 38	90 12	173	994·9	1015·2	— 2·0	301·1	306·3	4th	292·1	283·0	30th	296·6	*296·3*	+2·2	142	+ 61
519	Mobile	30 41	88 2	17·4	1015·1	1017·3	+ 1·5	305·3	308·6	23rd	296·5	293·6	27th	300·9	*300·1*	+2·3	95	— 41
520	Nashville	36 10	86 47	166	998·0	1017·6	— 0·2	303·7	307·4	16th	293·4	284·1	30th	298·6	*297·9*	+3·0	94	+ 5
521	Charleston	32 47	79 56	14·6	1016·0	1017·6	+ 0·1	304·9	309·7	6th	296·6	293·0	28th	300·7	*300·4*	+2·7	132	+ 3
522	Washington	38 54	77 3	34·1	1013·0	1016·9	— 1·9	301·9	308·0	2nd	291·2	285·8	24th	296·6	*296·0*	+2·9	84	— 3
524	Bermuda	32 17	64 46	46·0	1011·6	1016·9	— 0·4	301·9	305·2	10th	295·2	291·3	15th	298·6	*298·4*	−0·5	104	— 28
530	Santa Cruz (Flores)	39 27	31 9	28	1017·7	1020·8	— 1·5	297·4	300·1	1st, 11th	292·1	288·9	14th	294·8	*294·8*	+0·6	85	— 21
531	Horta	38 32	28 38	65	1013·8	1021·0	— 0·7	296·9	301·2	2nd	290·7	288·5	15th	293·8	293·9	−0·3	71	— 5
532	Ponta Delgada	37 44	25 40	22	1018·6	1020·4	— 0·6	295·7	298·5	2nd	291·0	288·4	14th	293·4	293·9	+0·1	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
534	Madeira (Funchal)	32 37	16 54	25	‡1016·9	‡1019·8	+ 0·6	296·9	298·1	15th	291·9	290·8	10th	294·4	*294·5*	−0·4	14	— 16
535	Lisbon	38 43	9 9	95	1004·7	1015·8	— 1·4	297·6	304·9	1st	290·2	288·7	21st	293·9	*293·3*	+0·2	149	+112
535*a*	Melilla	35 18	2 59	8	1015·2	1016·1	— 2·2	299·6	301·0	6th	291·9	288·4	30th	295·8	*297·5*	−1·4	78	+ 56
536	Gibraltar	36 6	5 21	16·2	1014·2	1016·2	— 1·3	298·6	301·9	5th	291·4	288·6	4th	295·0	*294·7*	−0·5	7	— 28
536*a*	Colomb-Béchar	31 6	4 6	786	926·2	1011·1	..	309·1	314·3	1st	293·5	287·0	30th	301·3	*301·1*	..	4	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
** Station moved to 47° 20′ N., 142° 47′ E., 27·4 m. †† Mean latitude and longitude of the observations. § Number of observations.

SEPTEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·5	1016·2	— 1·5	302·5	306·0	20, 21, 22	293·1	288·0	30th	297·8	..	+1·7	2	— 53
538	Algiers (Bouzaréah)	36 48	3 2	342	976·4	1014·6	— 1·8	301·1	308·1	20th	292·9	288·4	29th	297·0	296·6	+2·3	6a	— 24
539	Tunis	36 48	10 10	21	1013·5	1015·9	..	305·0	312·0	21st	295·3	287·2	29th	300·1	*299·5*	+2·9	29	+ 1
539a	Malta	35 54	14 31	56·4	..	1016·7	+ 0·8	300·4	302·9	22nd	295·4	289·1	29th, 30th	297·9	*297·2*	+0·5	33	+ 9
540	Riposto	37 41	15 14	14·2	..	1018·9	+ 1·1	298·7	300·6	6, 17, 18	293·0	287·5	30th	295·9	*295·3*	—1·1	157	+ 50
541	Athens	37 58	23 43	107	1004·5	1017·0	+ 2·2	300·1	306·7	18th	290·7	285·2	23rd	295·4	295·0	—1·2	65	— 1
542	Alexandria	31 12	29 53	32·0	1009·8	1013·5	— 0·1	303·4	309·3	29th	295·5	292·4	28th	299·5	*298·5*	+0·3	0	—
543b	Nicosia (P.W.D.)	35 9	33 22	159	992·3	1010·2	— 0·5	‡305·4	‡310·2	4th	290·2	287·4	24th	‡297·8	..	—0·1	0	— 5
544	Beirut	33 54	35 28	33·7	..	1010·8	— 1·1	302·2	304·3	3rd	295·7	292·8	25th	299·0	*298·9*	—0·1	4	— 2
545	Baghdad	33 21	44 28	38·1	1002·5	1007·0	— 0·4	313·4	320·0	6th	295·8	288·8	26th	304·6	*301·8*	+0·6	0	+14
546	Lenkoran	38 46	48 51	— 20·0	1017·9	1015·5	— 0·5	..	302·0	7th	289·0	284·9	22nd	..	*293·0*	—1·5	323	..
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	302·3	307·9	9th, 11th	282·3	278·3	24th	..	..	..	..	..
549	Seistan	31 0	61 30	?	..	..	..	308·2	312·4	14th	293·2	284·8	30th	300·7	..	..	0	..
550	Quetta	30 11	67 3	1677	831·1	..	— 0·8	304·6	309·8	7th	283·9	278·9	27th	294·3	*294·1*	+1·6	0	— 2
551	Peshawar	34 2	71 37	339	967·6	1005·3	— 0·7	310·5	313·6	12th	296·7	290·9	29th	303·6	*303·0*	+2·2	0	— 2
551a	Lahore	31 34	74 20	214	980·6	1004·5	— 0·4	308·4	311·5	2nd	297·7	291·9	30th	303·1	*302·4*	+0·1	47	+10
552	Simla	31 7	77 8	2205	780·6	..	0·0	290·3	292·9	10th	286·4	282·4	23rd	288·3	*288·1*	—1·0	260	—
552a	Leh	34 10	77 42	3503	666·6	..	— 0·7	294·3	298·1	13th	280·1	275·2	27th	287·2	*286·0*	+0·9	0	—
559	Hankow	30 35	114 17	37·0	1011·0	1015·4	+ 2·0	299·8	304·5	4th	292·9	287·1	23rd	296·3	*295·9*	—1·1	199	+14
560	Tientsin	39 10	117 10	5·0	1016·2	1016·8	+ 2·0	299·5	305·5	3rd	289·2	281·5	25th	294·3	*294·1*	+0·1	29	— 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1013·4	+ 1·2	300·1	305·2	17th	291·6	283·8	26th	295·8	294·8	—1·0	304	+19
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1006·3	1014·2	+ 1·5	297·9	304·0	16th	289·2	284·2	26th	293·6	293·2	—0·1	85	+ 6
562a	Nagasaki	32 44	129 52	133	996·8	1012·1	+ 0·7	299·5	304·1	1st	292·4	287·7	28th	295·9	295·4	—1·0	283	+14
563	Kyoto	35 1	135 44	42·9	1007·7	1012·7	+ 0·9	299·8	304·5	20th	291·2	285·1	28th	295·5	294·7	—0·4	352	+21
564	Tokyo	35 41	139 45	21·3	1011·8	1014·3	+ 1·1	297·7	303·5	20th	291·5	287·1	17th	294·6	294·3	—0·6	449	+21
565	Kanayama	37 53	140 46	24·0	1012·2	1015·1	+ 1·4	296·3	302·7	26th	289·0	281·6	18th	292·7	292·3	—0·1	442	+33
566	Miyako	39 38	141 59	30·4	1011·7	1015·3	+ 1·9	296·5	301·9	2nd	288·2	283·4	16th	292·3	291·6	+0·3	537	
		N.	E.															

SEPTEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1016·6	+ 0·5	302·5	304·1	9th	295·7	293·6	9th	299·1	*298·6*	..	93	..
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	+ 0·3	301·1	301·9	..	296·0	294·1	..	298·6	*298·2*	0·0	28	—11
614	La Paz	24 10	110 20	12	1007·0	1008·3	..	310·4	315·0	7th	296·9	293·4	30th	303·6	..	..	11	..
615	Chihuahua	28 38	106 4	1423	860·2	1011·2	..	300·2	304·0	9th	289·1	285·7	30th	294·7	*294·7*	..	131	..
616	Leon	21 7	101 41	1809	821·2	1008·6	— 0·4	299·0	300·9	4th	288·0	286·2	28th	293·5	*293·4*	+0·9	86	..
616a	Monterry	25 40	100 18	528	953·2	1011·6	..	304·8	307·5	3rd, 5th	295·1	294·0	6, 15, 21	299·9	*299·3*	..	26	..
617	Tulancingo	20 5	98 22	2180	793·1	..	..	294·0	297·0	..	283·8	281·0	..	288·9	289·2	—0·1	82	+ 6
618	Galveston	29 18	94 50	16·5	1014·1	1015·9	+ 0·8	303·2	304·7	12th	299·0	292·4	28th	301·1	*301·0*	+1·7	213	+ 3
618a	New Orleans	29 57	90 4	16·2	..	1016·6	+ 1·5	305·6	308·0	13th	297·4	294·7	25th	301·5	*300·8*	+2·2	100	..
619	Merida, Yuc.	20 58	89 38	22	1011·2	1013·7	..	304·0	305·6	20th	295·9	294·8	2nd	300·0	*299·5*	..	108	..
620	Havana	23 8	82 21	24·3	..	1015·4	+ 1·8	304·8	306·8	18th	297·3	296·3	5th	301·1	*300·3*	+0·6	68	..
620a	Key West	24 33	81 48	6·7	1014·6	1015·2	+ 1·2	303·8	305·2	10th	297·9	295·2	2nd	300·9	*300·8*	—0·3	138	..
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	303·8	..	..	298·0	..	..	300·9	*301·1*	+0·2	111	..
622	Watling Island	24 6	74 26	33·5	1012·9	1016·7	+ 2·2	..	306·3	13th, 14th	..	298·6	6, 17, 22	..	*301·5*	..	..	..
633	Izaña	28 19	16 30	2367	769·6	..	..	290·5	296·8	14th	280·7	275·2	21st	285·6	*285·7*	—1·2	1	..
634	La Laguna	28 28	W16 20	547	954·7	1017·1	+ 0·6	297·8	302·0	sev. dates	288·0	283·7	27th	292·9	*292·2*	—0·9	9	..
641	Siwa	29 12	E25 29	— 23	1016·6	1013·9	..	307·7	315·0	1st	..	..	..	..	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	998·8	1012·0	— 0·2	304·5	310·6	29th, 30th	292·9	289·2	23rd	298·7	*298·5*	—0·1	0	..
643a	Aswan	24 2	32 53	99·6	997·0	1008·2	— 0·3	311·3	315·1	1st	295·1	292·0	26th	303·2	*303·0*	—0·4	..	..
644	Tor	28 14	33 37	1·9	1008·0	1008·2	— 0·3	304·3	309·1	2nd	‡293·6	‡290·8	28th	‡299·0	‡*299·4*	—0·1	0	..
647	Bushire	28 59	50 53	4·3	1003·8	1004·4	— 1·4	307·6	311·1	5th	299·9	294·4	29th	303·7	*303·2*	+0·4	0	..
648	Jask	25 44	57 47	4·0	1004·1	1004·6	— 1·6	308·2	314·4	5th, 23rd	296·6	294·3	7th	302·4	*301·9*	—1·2	0	..
649	Karachi	24 53	66 57	4·0	1005·2	1005·7	— 1·1	303·2	309·1	5th	298·1	296·2	30th	300·7	*300·2*	+0·6	22	..
650	Jacobabad	28 17	68 29	56·7	997·1	1003·4	— 1·0	310·6	313·1	20th	299·7	293·7	30th	305·1	*304·5*	—0·1	0	..
651	Jaipur	26 56	75 52	436	957·7	1005·9	— 0·6	305·3	307·3	18th	296·1	292·3	27th	300·7	*299·8*	—1·2	68	..
652	Nagpur	21 8	79 5	310	971·7	1006·4	+ 0·1	303·6	306·5	25th	296·2	294·5	26, 29, 30	299·9	*299·2*	—0·5	188	..
653	Allahabad	25 25	81 51	94·1	994·8	1004·9	+ 0·1	304·9	307·8	4th	298·0	294·4	29th	301·5	*300·8*	—0·6	166	..
653a	Darjeeling	27 3	88 18	2266	775·8	..	— 0·1	292·1	295·9	3rd, 5th	286·6	284·4	27th, 29th	289·3	*289·1*	+0·5	372	..
654	Calcutta	22 36	88 23	6·4	1004·7	1005·4	— 0·3	304·2	305·9	9th	298·8	296·3	26th	301·5	*301·4*	+0·3	161	..
655	Gauhati	26 8	91 41	59·7	1000·6	1007·3	+ 0·4	305·3	308·6	3rd	297·9	295·9	29th	301·6	*300·7*	+0·1	87	+19
655m	Cherrapunji	25 15	91 42	1314	866·8	..	0·0	296·7	300·4	3rd	291·9	289·3	26th	294·3	*293·7*	+0·6	912	+25
655a	Akyab	20 11	92 56	6·1	1006·2	1006·9	— 0·7	303·2	305·2	3rd	297·9	296·1	28th	300·5	*300·4*	—0·3	826	+ 6
656	Mandalay	21 59	96 0	76·2	999·8	1008·4	+ 0·2	307·3	309·9	15, 17, 21	298·4	296·6	30th	302·9	*302·1*	+0·5	177	+14
656a	Tengyueh	25 2	98 33	1625	834·7	1005·1	+ 0·8	296·5	300·2	1st	289·4	288·0	15th, 31st	293·0	*292·2*	+0·3	284	+21
657	Phu Lien	20 48	106 38	116	996·1	1009·5	+ 1·8	302·5	306·2	4th	296·3	292·9	23rd	299·4	298·9	—0·9	491	+25
658	Moncay	21 31	107 51	9	1008·3	1009·3	+ 1·9	303·7	308·1	3rd	296·1	290·7	25th	299·9	*299·8*	—0·7	487	+35
659	Hongkong	22 18	114 10	33·2	..	1009·4	+ 1·0	302·1	305·6	19th	297·9	294·4	24th	300·0	299·7	—0·2	307	+15
660	Amoy	24 27	118 4	ca.3	1009·8	1010·1	+ 0·4	302·6	306·9	13th	297·6	294·1	26th, 27th	300·1	*299·8*	—1·0	197	—
661	Taihoku, Formosa	25 2	121 31	9·3	1009·6	1010·6	+ 1·2	303·3	308·4	2nd	294·2	286·6	27th	298·8	298·1	—1·1	153	—
661a	Basco	20 28	121 59	18·7	1004·6	1007·0	+ 0·7	301·9	304·5	10th	297·5	295·7	13th	299·7	*299·9*	—0·7	210	—
662	Naha	26 13	127 41	10·5	1009·0	1010·1	+ 1·1	302·7	305·3	15th	296·1	291·2	27th	299·4	299·1	—0·6	134	+ 5
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1011·5	1011·9	+ 0·2	302·5	303·9	15th	297·3	294·5	6th	299·9	299·4	—0·3	159	+ 5
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ 1 or Cairo *see* No. 643.

SEPTEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	955·5	1012·2	..	301·5	304·4	22nd	295·7	294·0	29th	298·6	*298·0*	..	136	..
716	Morelia	19 42	101 7	1923	810·9	1010·9	..	295·3	297·5	12th, 30th	287·3	284·4	20th	291·3	*290·7*	..	90	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·3	..	+ 0·3	295·9	299·4	10th	283·5	281·5	21st	289·7	288·4	—0·1	205	+101
718	Salina Cruz	16 12	95 12	56	1005·2	1011·6	..	303·0	307·1	1st	296·6	294·5	8th	299·8	*299·4*	..	431	..
719	San Salvador	13 42	89 13	682	935·8	1011·4	+ 1·2	303·7	306·4	10th	291·4	289·8	27th	297·5	*295·8*	—0·3	378	+ 87
720	Belize	17 29	88 12	5·2	1011·7	1012·4	+ 2·2	..	..	..	..	..	..	..	..	..	..	..
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·6	+ 1·0	304·2	306·2	26th	295·5	294·3	24th	299·9	*299·6*	0·0	134	— 42
723	Port au Prince	18 33	72 22	37·4	1009·5	1013·8	+ 0·9	305·7	307·6	20th	295·7	294·1	27th	300·7	*299·7*	—0·2	191	— 10
724	Caracas	10 30	66 55	1042	899·6	1014·2	+ 0·9	299·3	301·2	29th	287·4	285·0	22nd	293·4	*292·1*	—1·3	152	+ 51
724a	Montserrat	16 41	62 9	39·6	1009·1	1013·6	— 0·1	305·7	308·0	6, 7, 12	297·2	294·7	18th	301·4	*300·8*	+0·9	87	— 78
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·0	‡1011·9	— 0·2	303·0	306·9	7th	297·1	294·7	9th	300·1	*299·5*	+0·3	249	+ 39
	Barbados	13 8	59 36	55·2	..	1012·8	— 0·1	302·9	304·2	20th	296·7	294·9	8th	299·8	*300·0*	+0·4	139	— 58
731	São Vicente, C. Verde Is.	16 54	25 4	11	1011·6	1012·8	— 0·3	301·1	303·0	2nd	..	..	..	..	*299·1*	+0·1	17	— 31
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·3	1013·9	+ 0·4	302·1	304·6	27th	297·8	296·6	11th	299·9	*300·0*	0·0	60	— 48
733	Bathurst	13 27	16 36	1·8	1013·5	1013·7	+ 1·3	304·3	307·4	26th	296·6	294·1	20th	300·4	*300·8*	+0·8	290	+ 35
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·1	308·6	27th	296·4	293·6	3rd	300·8	..	+0·5	386	+100
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	161	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	306·3	309·1	28th, 30th	295·4	291·9	20th	300·8	*300·0*	+0·5	141	+ 34
738	Kaduna Capital	10 32	7 25	637	944·2	1015·4	+ 0·7	301·7	304·7	27, 28, 30	292·1	289·7	27th	296·9	*296·2*	—0·3	388	+103
739	Hadeija	12 40	10 5	?	..	..	..	307·1	313·0	30th	292·6	289·7	9th, 25th	299·9	*299·1*	—0·7	117	+ 45
740	Maiduguri	11 47	13 11	361	..	..	..	306·1	309·1	30th	295·2	293·6	1, 5, 10	300·7	*300·0*	—0·3	117	+ 4
741	El Fasher	13 32	25 18	730	..	..	..	308·4	311·4	29th	292·0	288·6	25th	300·2	*299·8*	..	3	..
743	El Obeid	13 11	30 14	569	..	..	..	307·1	312·0	27th	294·6	292·4	2nd	300·8	*300·1*	+0·4	46	— 41
743a	Khartoum	15 37	32 33	390	965·0	1008·0	0·0	311·0	314·6	29th	298·1	295·0	13th	304·5	*305·0*	+0·2	3	— 15
744	Port Sudan	19 37	37 13	5·5	1007·1	1007·8	+ 0·5	311·4	316·8	1st	300·2	296·6	28th	305·8	*305·0*	+0·7	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1005·5	1006·5	— 1·2	313·8	318·0	3rd	302·1	297·4	14th	307·9	*307·7*	+1·3	17	+ 16
746	Aden	12 45	45 3	28·7	1003·8	1007·0	— 0·9	306·9	308·9	23rd	301·5	300·3	24th, 27th	304·2	*303·8*	0·0	0	— 4
751	Bombay	18 54	72 49	11·3	1007·8	1009·1	— 0·5	301·9	302·9	10th, 12th	297·8	296·4	16th	299·8	299·4	—0·3	331	+ 62
752a	Kodaikanal	10 14	77 28	2343	770·1	..	— 0·1	290·6	292·1	23rd	283·6	282·7	4th, 30th	287·1	*286·3*	—0·1	108	— 63
753	Bangalore	12 59	77 38	920	909·8	1010·5	+ 0·5	300·3	302·8	28th	291·4	290·1	28th	295·8	*294·9*	—0·2	118	— 58
754	Madras	13 4	80 14	6·7	1007·9	1008·6	+ 0·3	307·1	310·1	24th	298·2	296·1	11th	302·6	*301·9*	+0·1	65	— 68
	Vizagapatam	17 42	83 19	11·6	1004·0	1005·4	— 0·5	304·4	307·8	12th	299·3	297·7	3rd	301·8	*301·2*	..	217	+ 34
755	Port Blair	11 40	92 40	18·0	1006·8	1008·8	— 0·6	301·8	303·6	7th	297·0	295·3	28th	299·4	*298·8*	—0·7	568	+102
756	Rangoon	16 46	95 48	5·5	1008·4	1009·1	+ 0·2	302·6	304·4	19th	297·7	296·6	24th	300·1	*299·2*	—0·1	411	+ 24
757	Saigon	10 47	106 42	11	1007·1	1008·3	+ 0·4	303·0	304·4	22nd	296·4	295·1	22nd, 23rd	299·7	*299·2*	—0·7	469	+115
758	Nhatrang	12 15	109 12	3·6	1007·0	1007·4	+ 0·7	303·9	305·9	8th	296·5	295·1	16th	300·2	*299·7*	—1·0	280	+101
761	Bolinao	16 23	119 53	7·1	1005·3	1006·1	0·0	304·2	306·9	3rd	297·4	295·6	17th	300·8	*300·2*	+0·4	169	—383
761a	Vigan	17 34	120 23	12·2	..	1007·4	+ 0·5	304·4	305·9	30th	296·5	295·5	28th, 29th	300·5	300·4	+0·5	146	—373
762	Manila	14 35	120 59	14·2	..	1008·4	+ 1·2	303·9	306·8	16th	296·9	295·7	27th	300·4	*299·5*	—0·3	337	— 26
763	Ormoc	11 0	124 36	5·6	1007·1	1007·9	+ 0·6	304·9	306·5	3rd	296·0	294·9	8th	300·5	*299·5*	—0·1	244	— 28
765	Guam, Ladrone Is.	13 24	144 38	20·4	1004·9	1007·6	+ 0·4	303·0	304·7	2nd, 16th	297·4	296·0	22nd	300·2	*299·9*	—0·2	427	+ 27
		N.	E.															

SEPTEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	305·1	306·3	13, 20, 28	297·3	295·8	3rd	301·2	*300·7*	+0·2	77	— 12
822	Colon	9 23	79 23	11·0	..	1010·9	+ 0·6	303·9	305·8	19th	297·1	295·2	25th	300·5	*300·0*	+1·0	285	— 37
822a	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	108	+ 49
824	Merida, Venez.	8 36	71 9	1641	‡841·7	..	+ 0·3	297·8	301·5	29th	288·4	287·0	26th, 30th	293·1	*297·8*	0·0	122	— 36
825	El Peru, Guayanavieja	7 19	61 49	220	986·0	1010·9	+ 0·5	303·8	305·8	30th	293·3	292·1	8th	298·6	*297·9*	—0·3	170	+ 56
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·7	+ 1·4	303·4	304·9	8th	297·5	295·8	4th	300·5	*300·2*	—0·4	87	+ 9
827	Paramaribo	5 49	55 9	3·7	‡1013·9	‡1014·3	+ 1·4	305·1	306·6	20th	295·8	294·2	5th	300·5	*299·1*	—0·4	111	+ 38
828	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Konakri	9 4	13 42	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·9	1012·8	+ 0·6	302·1	304·1	23rd, 26th	295·9	294·0	5, 18, 23	..	‡*298·9*	+0·2	949	+159
835	Assuantsi	5 18	1 15	101	..	..	..	300·9	303·0	15, 26, 29	295·2	293·0	14th	298·1	*297·7*	..	593	—130
837	Accra	5 33	W 0 12	25·1	1009·4	1012·3	..	301·4	304·1	25th	295·9	294·1	2nd	298·7	*298·3*	+1·1	138	..
838	Lagos	6 27	E 3 24	6·7	1012·8	1013·5	— 0·7	301·3	303·3	..	296·5	294·7	..	298·9	*298·5*	+0·1	124	+ 99
839	Zungeru	9 48	6 10	130	..	..	..	305·1	308·0	6th, 11th	296·4	295·2	10, 15, 17	300·7	*300·1*	+1·8	202	+ 68
841	Yola	9 12	12 30	259	..	..	..	303·8	307·4	26th	..	..	..	..	‡*298·7*	0·0	287	+ 25
	Wau	7 42	28 3	440	..	..	..	307·9	310·0	sev. dates	292·4	290·0	15th	300·2	‡*298·4*	+0·2	223	+ 37
843	Malakal (Kodok)	9 35	31 37	394	966·0	1010·2	0·0	305·1	308·8	22nd	295·0	293·0	24th	300·0	*298·2*	—0·1	116	— 46
843a	Mongalla	5 11	31 47	439	960·2	1009·0	— 0·1	305·3	308·0	19, 26, 28	..	..	..	..	..	..	128	— 10
851	Entebbe	0 5	32 29	1171	884·2	1010·8	+ 0·2	298·7	300·8	24th	289·3	287·8	20th	294·0	*293·5*	—0·1	81	— 43
851a	Minicoy	8 17	72 49	2·1	1012·5	1012·7	+ 0·9	..	..	..	..	..	..	..	..	..	78	0
852	Cochin	9 58	76 27	2·7	1011·6	1011·9	+ 0·6	302·1	303·7	26th	296·8	295·5	1st	299·4	*298·8*	—0·2	146	— 74
853	Colombo Observatory	6 54	79 53	7·3	..	1010·8	+ 1·0	303·6	304·6	16th	298·4	297·0	2nd	301·0	*300·4*	+0·8	24	—125
854	Nuwara Elija	6 59	80 46	1886	812·8	1010·9	..	292·7	296·8	30th	285·4	282·5	9th	289·0	*288·3*	+0·9	63	—147
	Trincomalee	8 34	81 14	30·2	..	1007·9	+ 1·1	306·8	308·3	9th	297·9	295·1	29th	302·3	*301·7*	+0·2	79	— 38
855	Kuta Raja	5 32	95 20	7·1	..	1010·3	— 0·5	..	..	..	..	..	..	..	..	..	248	+ 76
856	Medan	3 35	98 41	25·0	..	1010·1	— 0·3	..	..	..	..	..	..	..	..	..	257	+ 39
857	Penang	5 34	100 20	5·0	1008·2	1008·8	— 1·3	302·9	305·8	12th	294·8	294·1	5th	298·9	*298·4*	—1·2	625	+220
859	Singapore	1 18	103 51	3	1010·6	1010·9	+ 0·9	303·2	303·6	22nd	298·3	297·4	1st	300·7	*300·3*	+0·4	212	+ 40
860	Sandakan	5 50	118 7	31·7	..	..	..	303·9	305·8	24th	296·6	294·7	14th	300·3	*299·8*	—0·3	170	— 69
861	Iwahig	9 44	118 38	13·0

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	306·5	308·4	27th	297·1	295·0	1st	301·8	*300·6*	−0·5	20	−20
926	Taperinha	2 30	54 20	20·0	1009·4	1011·7	+ 0·1	304·3	306·3	30th	295·5	294·0	25th	299·9	*298·8*	−0·1	65	+ 25
927	Turyassu	1 43	45 26	15·1	1009·4	1011·2	− 0·8	305·0	306·6	30th	295·5	293·7	2nd	300·2	*299·4*	−0·1	37	+ 7
928	Barra do Corda	5 30	45 16	81·0	1001·0	1010·3	− 0·4	306·2	308·2	26th	294·4	290·6	12th	300·3	*298·9*	−0·7	39	+ 11
929	Quixeramobim	5 16	39 15	207	990·2	1013·5	+ 0·5	305·8	307·5	29th	297·2	294·8	9th	301·5	*300·5*	−0·2	5	− 21
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1014·9	+ 0·6	297·1	299·0	23rd, 30th	293·2	292·0	1, 3, 4	295·1	294·9	+0·6	0	− 2
940	Brazzaville	4 17	15 16	320	‡976·5	‡1012·4	..	305·9	310·0	21st	294·9	292·0	16th	300·4	*299·7*	+1·8	162	+131
943	Masaka	0 21	31 47	?1280	..	..	..	299·2	300·8	18th	287·9	286·3	1st, 5th	293·6	*292·3*	−0·1	74	+ 3
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	297·4	301·3	24th	284·7	279·7	19th, 23rd	291·1	..	..	7	− 35
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	297·4	301·3	26th	..	..	..	..	..	..	5	− 37
944*a*	Zanzibar	6 10	39 11	21·9	1016·3	1018·8	+ 0·6	301·3	303·1	29th	296·2	295·2	2nd	298·7	*297·7*	+0·1	8	− 47
945	Lamu	2 16	40 50	3·1	..	..	..	301·3	302·4	30th	296·9	296·3	11th, 12th	299·1	*298·7*	−0·2	25	− 30
947	Seychelles, Port Office	4 37	55 27	4·6	1012·9	1013·4	+ 0·3	..	..	..	297·8	295·2	30th	..	‡*299·7*	0·0	8	− 47
957	Padang	0 56	100 22	6·7	..	1010·9	− 0·4	..	..	..	..	..	..	..	..	..	269	−135
958	Batavia	6 11	106 50	8·0	1009·8	1010·7	+ 0·2	303·7	306·1	20th	296·3	294·8	20th	300·0	299·6	+0·1	55	+171
958*a*	Pontianak	0 1	109 20	2·6	..	1010·6	+ 0·3	..	..	..	..	..	..	..	..	..	384	+ 14
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	+ 40
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	62	− 86
962	Amboina	3 42	128 10	4·2	..	1010·8	− 0·2	..	..	..	..	..	..	..	..	..	146	+ 39
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	165	+ 58
965	Daru	9 4	143 13	7·6	..	1011·6	− 0·5	301·1	..	..	296·5	..	..	298·8	*298·4*	+0·1	57	+ 14
966	Port Moresby	9 29	147 9	39·0	..	1011·8	− 0·1	301·7	..	..	296·9	..	..	299·3	*298·9*	+0·5	4	− 39
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1011·2	1011·4	+ 1·1	303·2	?305·1	19th	297·6	?296·1	20th	300·4	*300·2*	+0·2	200	− 76
970	Ocean Island	0 52 S.	169 35 E.	54·0	..	..	..	304·0	305·0	24th	298·4	296·9	22nd	301·2	*300·5*	+0·4	61	− 71

1002	Apia, Samoa	13 48	171 46	2	..	1012·7	+ 0·6	302·5	304·2	20th	296·3	294·9	2nd	299·4	299·1	+0·5	144	+ 14
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·2	304·7	19th, 21st	293·1	289·7	12th, 28th	297·1	*296·9*	+0·3	30	− 90
1021	Arequipa	16 22	71 33	2451	762·0	..	+ 0·8	293·2	295·1	28th	282·7	280·2	17th	287·9	*287·6*	+0·2	0	0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·1	292·4	sev. dates	285·8	285·0	27th	288·9	..	..	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·2	..	..	290·9	295·0	30th	277·2	270·2	1st	284·1	*284·4*	..	3	− 17
1025	Corumba	18 59	57 39	116	999·0	1012·4	+ 0·7	303·0	308·0	13, 21, 22	291·5	282·0	17th	297·2	*296·5*	−1·2	90	+ 23
1026	Cuyaba	15 36	56 6	165	992·4	1010·9	+ 0·9	307·1	311·5	12th	291·6	280·4	1st	299·4	*299·5*	−1·0	60	+ 6
1027	Bello Horizonte	19 55	43 57	895	..	..	..	..	..	..	..	..	..	..	*292·3*	−0·8	..	..
1028	Caetite	14 3	42 37	897	916·5	1015·2	+ 0·2	301·1	306·1	18th	289·6	287·2	13th	295·4	*296·1*	+1·0	8	− 34
1029	Ondina (Bahia)	13 0	38 31	46·6	1010·3	1015·7	− 0·1	299·1	302·3	17th	294·6	293·4	13th	296·8	*296·6*	0·0	34	− 11
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	948·4	1015·7	+ 1·7	291·2	293·8	4th	285·2	283·9	8th	288·2	*287·9*	+0·8	46	− 31
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	293·4	296·2	29th	284·4	282·4	9th	288·9	*289·5*	..	0	− 31
1042	Gwelo	19 28	29 48	1417	864·8	1017·4	+ 1·3	299·9	306·9	25th	283·7	278·6	1st	291·8	..	−0·1	0	− 31
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡857·5	‡1015·3	+ 1·5	300·2	305·2	25th	283·3	279·1	15th	291·7	*290·8*	−0·4	0	− 31
1044	Zomba	15 23	35 18	955	910·8	1016·2	+ 1·5	299·4	303·6	29th	288·2	283·6	16th, 17th	293·8	*293·2*	0·0	22	− 14
1045	Antananarivo	18 55	47 32	1400	868·4	1021·7	+ 1·1	297·1	300·3	30th	282·7	279·0	6th	289·9	*288·9*	−0·2	1	− 17
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·4	1014·0	+ 0·3	301·0	302·4	10th	297·7	294·7	6th	299·3	*299·0*	+0·1	100	− 56
1057	Christmas Island	10 25	105 43	5·5	1010·5	1011·1	+ 0·8	304·5	305·2	..	296·3	294·7	..	300·4	*299·8*	+0·7	14	− 90
1061	Kupang	10 10	123 34	45·1	..	1011·3	− 0·6	306·2	308·1	25th	295·0	292·8	21st	300·6	299·8	..	0	− 90
1061*a*	Derby	17 18	123 40	16·2	1012·1	1014·0	+ 1·0	306·7	311·1	26th	291·9	288·1	1st	299·3	..	−0·1	0	− 90
1062	Hall's Creek	18 13	127 46	374	971·3	1013·5	+ 0·2	306·8	311·3	30th	288·9	281·9	2nd	297·9	*297·4*	+0·3	0	− 90
1063	Darwin	12 28	130 51	29·6	1008·4	1011·8	+ 0·3	306·3	308·7	22nd	296·7	294·2	2nd	301·5	*300·4*	+0·4	18	− 72
1064	Daly Waters	16 16	133 23	211	987·0	1010·9	− 0·9	307·8	311·9	30th	292·2	286·9	1, 6, 7	300·0	*299·5*	+0·4	6	− 84
1065	Mein	13 13	142 47	122	997·1	1011·1	− 0·5	304·1	309·6	19th	293·6	287·7	18th	298·9	*298·2*	+0·3	1	− 89
1066	Georgetown, Queensland	18 22	143 32	302	980·0	1014·2	+ 0·1	306·5	309·1	16th	291·1	287·4	24th	298·8	..	+1·5	2	− 88
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1011·9	− 0·2	301·1	..	..	296·9	..	..	299·0	*298·8*	+0·6	368	+ 71
1072	Suva, Fiji	18 8 S. ° ′	178 26 E. ° ′	6·1 metres.	.. mb.	1017·8 mb.	+ 2·2 mb.	301·8 a.	302·6 a.	22nd	291·4 a.	288·0 a.	3rd	296·6 a.	*296·4* a.	0·0 a.	255 mm.	+ 55 mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	297·9	300·8	23rd	293·8	289·7	13th	295·9	*295·7*	+1·0	236	+125
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·5	1018·8	+ 1·1	288·1	289·8	30th	283·4	281·5	5th	285·7	*285·5*	−0·2	1	− 3
1122	Iquique	20 12	70 11	9	1016·3	1017·4	+ 1·0	291·5	293·6	11th, 17th	280·7	285·4	28th	289·1	*288·8*	−0·4	0	0
1123	Catamarca	28 27	65 47	510	955·5	1013·9	+ 1·5	298·9	306·5	30th	281·9	274·1	16th	290·4	290·3	−1·5	3	− 4
1124	Salta	24 46	65 28	1178	883·4	1014·0	+ 0·5	297·0	306·5	21st	279·3	273·0	1st, 2nd	288·1	288·3	−1·5	2	− 4
1125	Goya	29 9	59 15	26	1011·8	1014·9	− 0·7	297·2	303·0	4th	284·9	275·7	1st	291·1	290·5	+0·1	38	− 24
1126	Asuncion	25 21	57 37	93	1003·6	1014·4	+ 0·9	301·2	307·0	5th	287·3	275·5	1st, 2nd	294·2	293·4	−0·6	242	+174
1127	Curityba	25 25	49 17	908	914·9	1017·4	− 0·2	292·2	298·2	5th	282·6	274·9	1st	287·4	*286·6*	−0·9	109	− 10
1128	Rio de Janeiro	22 54	W43 10	61·4	1009·7	1016·9	+ 0·3	296·2	301·5	9th	291·7	288·2	2nd	294·0	293·6	−0·2	65	− 2
1139	Windhoek	22 35	E 17 5	1680	..	..	..	298·5	303·0	28th	285·3	275·5	8th	291·9	*291·8*	+0·1	0	− 1
1140																		
1141	Kimberley	28 42	24 47	1202	885·9	1018·7	+ 1·5	298·5	305·3	30th	280·4	273·9	8th	289·4	289·1	−0·2	0	− 16
1141*a*	Johannesburg	26 11	28 4	1806	825·6	1019·3	+ 1·2	293·9	301·3	29th	281·5	273·0	10th	287·7	*287·6*	−0·5	42	+ 18
1142	Pretoria (Brooklyn)	25 46	28 13	1400	866·4	1018·8	+ 1·5	297·3	304·1	30th	282·3	276·3	9th	289·8	*289·7*	−0·2	24	+ 13
1142*a*	Bulawayo	20 9	28 35	1340	871·5	1016·8	+ 0·9	298·8	304·3	24th	284·2	279·1	1st	291·5	*291·3*	−1·3	0	− 3
1143	Durban	29 52	31 3	15·2	1021·2	1023·0	+ 2·2	295·2	299·6	7th	288·2	283·1	10th	291·7	*291·2*	−0·4	100	+ 19
1144	Lourenço Marques	25 58	32 36	59	..	1020·4	+ 1·2	300·0	310·7	24th	288·6	285·4	9th, 10th	294·3	293·5	−0·1	42	+ 17
1147	Mauritius	20 6	57 33	55·2	1013·8	1020·3	+ 0·1	297·6	299·4	28th	290·6	285·7	20th	294·1	293·6	−0·3	75	+ 42
1159	Onslow	21 43	114 57	4·3	1014·7	1015·2	+ 0·7	302·6	306·8	25th	285·5	283·4	2nd	294·0	..	−0·5	0	− 2
1160	Peak Hill	25 38	118 47	588	948·9	1016·0	+ 1·4	298·4	303·8	27th	283·6	279·7	6th, 10th	291·0	..	−0·8	1	− 5
1161	Nullagine	21 53	120 5	386	970·7	1014·8	+ 0·7	302·8	308·0	30th	284·5	278·6	22nd	293·7	..	−1·2	0	0
1162	Laverton	28 40	122 23	466	963·4	1017·2	+ 0·6	297·7	304·4	22nd	282·1	276·3	10th	289·9	*289·9*	+0·1	1	− 7
1163	Alice Springs	23 38	133 37	587	948·4	1015·5	− 0·7	298·1	305·8	16, 17, 28	282·5	275·8	5th	290·3	*290·4*	−1·3	25	+ 15
1164	William Creek	28 55	136 21	76·2	1007·6	1016·7	− 0·2	298·8	309·1	25th	282·4	276·3	11th	290·6	*290·4*	+0·6	2	− 9
1164*a*	Boulia	22 55	139 38	146	997·0	1014·0	− 0·2	303·0	311·0	17th	288·6	282·4	23rd	295·8	*295·9*	+1·5	11	+ 2
1165	Thargomindah	27 58	143 43	123	1002·0	1016·3	+ 0·5	297·6	307·4	17th	286·9	281·9	21st	292·2	*292·0*	+0·5	59	+ 46
1166	Mitchell	26 32	147 52	336	979·2	1017·8	..	296·2	304·1	30th	284·2	276·9	21st	290·2	..	+0·8	59	+ 25
1167	Rockhampton	23 24	150 30	11·3	1017·0	1018·4	+ 1·4	298·7	303·7	18th	288·8	284·6	16th	293·8	*293·2*	−0·4	51	+ 17
1168	Brisbane	27 28	153 2	41·7	1015·1	1020·1	+ 2·8	296·3	299·7	17th	286·8	282·7	21st	291·6	*291·1*	+0·1	51	− 1
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1021·5	1023·3	+ 3·6	292·9	295·2	21st	287·4	285·2	1st, 4th	290·2	*289·8*	+0·3	45	− 52

Between Latitude 30° S. and 40° S.

1221	Juan Fernandez	33 37	78 50	10	1020·8	1022·0	+ 0·1	287·6	293·6	9th	281·4	278·2	25th	284·5	*285·3*	−0·2	95	+ 12
1221*a*	Punta Tumbes	36 37	73 6	120	1006·6	1021·3	+ 2·1	286·7	290·0	10th	279·4	276·0	6th	283·1	*283·0*	−0·8	6	− 44
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1013·5	1018·5	+ 0·3	289·5	295·5	28th	281·5	279·2	8th	285·5	*284·9*	−1·3	9	− 22
1222*a*	Santiago	33 27	70 42	520	957·2	1018·5	+ 0·7	291·3	299·5	10th	277·8	273·4	5th	284·5	*283·8*	−0·5	22	− 8
1223	Cordoba	31 25	64 12	423	966·7	1016·1	+ 0·3	295·9	303·9	..	278·7	271·4	..	287·3	287·4	−0·4	34	+ 11
1224	Bahia Blanca	38 45	62 15	25	1015·0	1016·8	− 0·5	291·8	298·1	10th	279·3	272·0	6th, 7th	285·5	285·5	+0·3	29	− 12
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·8	1018·6	+ 0·2	291·9	300·1	11th	281·6	274·2	6th	286·7	286·7	+0·3	43	− 36
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1019·5	+ 2·2	290·2	296·9	11th	283·2	278·3	1st	286·7	*286·5*	+0·7	78	− 9
1226*a*	Porto Alegre	30 2	W51 13	23·5	1012·7	1015·5	− 1·9	294·4	300·4	5th	285·6	278·4	1st	290·0	289·7	+0·2	103	− 13
1239	Cape Town	33 56	E 18 29	12·2	..	1020·4	+ 1·3	291·4	301·3	12th	282·4	276·9	3rd	286·9	*285·6*	−0·5	73	+ 15
1240	Danger Point	34 37	19 18	27·7	1011·2	1014·5	..	289·4	297·4	13th	282·9	276·3	8th	286·2	..	..	116	+ 54
1241	Riversdale	34 6	21 16	761	1009·1	1016·4	..	294·2	308·0	18th	279·6	274·1	9th	286·9	..	..	38	− 2
1242	East London	33 1	27 54	9·8	1019·3	1020·5	+ 0·9	294·6	309·1	20th	285·2	280·8	8, 9, 10	289·9	..	+0·3	64	+ 12
1259	Perth (Observatory)	31 57	115 51	60·0	1012·0	1019·3	+ 1·4	291·6	297·7	3rd	282·5	278·1	9th	287·1	*287·0*	−0·5	136	+ 51
1260	Katanning	33 42	117 35	310	981·7	1017·9	+ 1·1	290·1	298·2	3rd	279·9	275·3	25th	285·0	..	0·0	52	+ 2
1261	Coolgardie	30 57	121 10	423	967·8	1017·0	+ 0·2	295·5	301·4	4th	280·6	275·1	9th	288·1	*288·1*	+0·3	14	− 1
1262	Eucla	31 45	128 58	4·6	1016·2	1016·7	0·0	293·6	303·6	15th	281·8	275·5	12th	287·7	*287·3*	−0·4	14	− 5
1263	Streaky Bay	32 48	134 13	13·1	1015·9	1017·3	− 0·3	293·9	299·7	15th	282·0	278·0	12th	288·4	*288·0*	+1·1	20	− 15
1264	Adelaide	34 56	138 35	42·7	1011·7	1016·9	− 0·6	293·3	300·8	28th	282·3	278·7	20th	287·8	287·3	+0·9	78	+ 26
1265	Melbourne	37 49	144 58	35·1	1012·3	1016·5	+ 0·7	291·5	296·8	6th	280·9	276·3	4th	286·2	*286·0*	+0·9	92	+ 31
1266	Bourke	30 13	145 58	111	1007·2	1020·3	+ 0·6	297·7	305·8	24th	284·3	279·1	21st	291·0	..	+0·9	20	0
1267	Sydney	33 51	151 13	40·5	1013·1	1017·9	+ 1·9	295·0	302·0	26th	284·6	279·7	1st	289·8	*289·0*	+1·7	72	− 1
1268	Lord Howe Island	31 20	159 0	4·6	1020·3	1020·8	+ 2·7	293·6	295·8	30th	287·6	282·3	22nd	290·6	..	+0·4	137	+ 3
1271	Auckland	36 50	174 50	38·1	..	1020·6	..	289·0	292·2	16, 21, 30	282·8	279·1	9th	285·9	..	+0·3	94	+ 2
1272	Napier	39 32 S.	176 53 E.	21·3	..	1017·8	+ 3·7	290·3	295·2	20th	280·1	274·9	8th	285·2	..	+0·2	21	− 23

Between Latitude 40° S. and 50° S.

1301	Chatham Island	43 52	176 42	45·7	..	1012·3	..	..	..	..	..	..	..	..	..	..	48	− 21
1321	Isla Guafo	43 34	74 45	140	1003·0	1020·2	+ 3·0	282·0	285·2	29th	278·3	276·0	5th, 6th	280·1	*280·0*	−0·7	68	− 3
1322	Punta Galera	40 1	73 44	40	1017·0	1021·9	+ 3·7	283·9	285·6	19th	279·4	276·0	6th	281·7	*282·0*	−0·7	105	− 72
1323	Sarmiento	45 30	69 0	274	983·1	1014·7	..	286·1	291·6	21st	275·0	268·5	20th	280·5	280·5	+0·1	10	− 2
1324	Punta Madryn	42 49	W64 58	14	1016·8	1018·4	..	288·5	297·0	28th	277·6	270·4	15th	283·1	282·7	−0·9	22	+ 12
1365	Launceston	41 27	E147 10	10·1	1011·5	1012·6	+ 1·0	289·7	295·7	7th	280·3	274·7	4th	285·0	*284·2*	+1·8	94	+ 10
1366	Hobart	42 53	147 20	53·9	1004·4	1010·9	+ 0·3	289·9	297·9	7th	280·7	275·8	22nd	285·3	*284·5*	+1·9	24	− 30
1370	Invercargill	46 25	168 21	3·7	..	..	..	287·3	292·4	11th, 30th	277·3	272·4	17th	282·3	..	+0·5	64	− 14
1371	Dunedin	45 52	170 31	91·4	..	1016·6	+ 5·1	287·2	298·0	26th	278·9	274·7	15th	283·1	..	+1·3	45	− 25
1371*a*	Christchurch	43 31	172 39	7·6	..	1016·5	+ 3·6	287·2	296·1	12th	278·1	272·2	1st	282·7	..	+0·3	58	+ 13
1372	Wellington	41 16 S. ° ′	174 46 E. ° ′	3·1 metres.	.. mb.	1018·0 mb.	+ 4·1 mb.	287·7 a.	293·1 a.	29th	280·8 a.	272·4 a.	1st	284·2 a.	.. a.	+0·3 a.	146 mm.	+ 45 mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL.

SEPTEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1002·3	1009·1	+ 5·2	278·8	281·0	13th	275·8	273·5	5th, 8th	277·3	*277·3*	−0·7	236	+ 11
1422	Puerto de Punta Arenas	53 10	70 54	28	1005·0	1008·5	+ 3·6	280·9	286·0	28th	274·9	270·2	9th	277·9	*278·0*	+0·4	5	.. − 21
1423	Punta Dungeness	52 24	68 26	5	1007·9	1008·5	+ 4·7	280·0	286·2	28th	273·9	270·9	24th	276·9	*277·0*	−0·6	..	− 4
1424	Santa Cruz	50 11	68 21	12	1010·3	1011·6	+ 4·5	284·5	291·6	22nd	274·7	270·5	19th	279·6	279·4	+0·2	1	+ 4
1424*a*	Año Nuevo	54 39	64 8	50	1000·6	1006·8	+ 4·9	278·9	283·0	23rd, 24th	275·1	270·5	7th, 8th	277·0	*276·1*	−0·3	35	+ 4
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1007·8	1010·4	+ 4·9	278·4	283·0	29th	272·8	267·4	9th	275·6	276·1	−1·0	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	1003·6	1004·1	+ 2·3	277·2	284·1	23rd	269·7	262·4	12th	273·5	*273·8*	0·0	21	− 61

SEPTEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	994·8	995·7	+ 2·1	270·3	277·1	22nd	262·6	241·9	9th	266·5	266·6	+0·5	11	− 14
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—SEPTEMBER, 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.		9h.	8h. 20h.	0h.
1	SSE	12·6	SE	W 1 SW 1	N 1 S 1	..	Calm 0	Calm 0 Calm 0	SSE 2
2	SSE	12·7	SE	Calm 0 SW 3	S 1 S 1	..	SE 2	Calm 0 E 2	SE 3
3	SSE	6·8	SE	NE 2 SW 2	N 1 N 2	..	SE 4	NE 4 Calm 0	SE 1
4	SSE	7·1	SE	Calm 0 SW 1	E 1 SE 1	..	..	E 4 Calm 0	SE 1
5	SSE	7·6	SE	SW 1 SW 2	SE 1 SW 2	..	SE 6	NE 2 Calm 0	SE 2
6	ESE	10·4	SE	Calm 0 SSW 1	N 1 N 1	..	SE 4	NE 4 Calm 0	NE 4
7	SSE	12·3	Calm	Calm 0 SSW 1	N 3 N 1	..	SE 2	NE 2 E 2	SW 3
8	SSE	10·9	Calm	Calm 0 Calm 0	N 1 N 1	..	SE 4	Calm 0 NE 4	SW 3
9	SSE	10·3	SE	Calm 0 SW 2	N 2 SE 2	..	SE 4	NE 2 E 2	SE 3
10	SSE	10·2	Calm	Calm 0 SW 2	N 2 NE 1	..	SE 4	NE 2 E 2	SE 3
11	SSE	6·9	SSE	Calm 0 SW 2	N 1 N 2	..	Calm 0	NE 2 Calm 0	NE 3
12	SE	6·4	SE	Calm 0 SW 1	E 1 NE 1	..	..	Calm 0 NE 2	NE 4
13	SE	10·1	SE	NW 1 SW 2	N 2 S 1	..	SE 2	Calm 0 NE 2	NNE 4
14	SE	8·3	SE	SW 1 Calm 0	N 1 S 2	..	SE 4	Calm 0 Calm 0	E 4
15	SE	9·5	SE	Calm 0 SW 2	S 1 N 1	..	SE 2	NE 2 Calm 0	SE 3
16	SE	6·0	SE	Calm 0 SW 1	S 1 SE 2	..	SE 2	E 2 Calm 0	SE 3
17	SE	3·6	SE	NE 1 Calm 0	N 1 S 1	..	Calm 0	E 2 Calm 0	E 3
18	SE	5·6	SE	Calm 0 SW 1	NE 1 S 1	..	SE 2	Calm 0 Calm 0	NE 2
19	SE	11·4	SE	Calm 0 SW 3	SE 2 SE 2	..	..	Calm 0 NE 2	NE 3
20	SE	11·2	SE	SW 1 Calm 0	SE 2 SE 1	..	Calm 0	NE 1 NE 4	SW 3
21	SE	8·6	SE	Calm 0 Calm 0	N 1 SE 1	..	Calm 0	NE 2 E 4	S 3
22	SE	11·4	SE	NE 1 SW 1	N 2 SW 1	..	SE 2	Calm 0 E 4	SE 3
23	SE	10·6	Calm	Calm 0 SW 1	SW 1 SW 1	..	ESE 2	Calm 0 NE 4	SE 3
24	SE	7·6	SE	ENE 1 SW 1	NW 1 SW 2	..	SE 4	NE 2 Calm 0	SE 3
25	SE	4·6	SE	NE 3 Calm 0	N 2 NE 1	..	S 4	E 2 E 4	SE 3
26	Calm	1·2	SE	Calm 0 S 1	NE 1 NE 2	..	..	E 2 NE 4	SE 3
27	SSE	3·1	SE	ENE 1 SW 1	N 1 SW 1	..	SE 4	SE 4 E 4	SE 3
28	S	2·3	SE	WSW 1 SW 1	SE 1 SW 1	..	SE 4	Calm 0 Calm 0	SSE 3
29	S	2·8	SE	SW 1 SW 1	SW 1 N 2	..	SE 2	E 2 NE 6	SE 3
30	SE	8·4	SE	NE 1 SW 1	S 1 S 1	..	ESE 4	Calm 0 E 2	NE 3
Mean	..	8·0	..	0·6 1·2	1·3 1·3	..	2·5	1·4 1·7	3·1
§Resultant	145° (90)	..	135° (85)	225° (37)	55° (15)	..	135° (78)	65° (50)	120° (68)
§Normal	143° (91)	8·8	‖124° (80)	260° (33)	255° (29)	89° (88)	133° (81)	‖102° (48)	102° (59)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 2608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1921.

‡‡ *Spitsbergen.*—The west coast was free of ice except for a little scattered ice from the 1st to the 12th between South Cape and Horn Sound. After the 16th, drift ice occurred again between South Cape and Foreland Sound, and off Bell Sound the ice reached to about 20 miles offshore.

‡‡ *Iceland* was free of ice as is usual in this month.

‡‡ *Greenland Sea and Denmark Strait.*—Scattered ice was met with off the Franz Josef Fjord. Off Angmagsalik the icebergs were lying far offshore, and on the 8th the edge of the "Storis" was 35 miles offshore. This ice was sometimes open, sometimes very close. Ice also formed in the fjords this month.

‡‡ *N. Atlantic and Labrador.*—Six icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 11. The southmost occurred in 43°N., the eastmost in 45°W. No floes were observed.

‡‡ *Davis Strait, Baffin Bay.*—Except for a few icebergs and a few masses of scattered "Storis" the coast, from Cape Farewell to north of Upernivik, was free of ice. A belt of heavy ice 30 miles wide extended across Clyde Inlet and Home Bay. Cumberland Sound, Hudson Strait and Fox Channel were free of ice to Fife Island, but from there to Lyon Inlet the ice was close. Numerous icebergs were observed on the west side of Davis Strait. Young ice began to form to the east of Vansittart Island (Fox Channel) on the 25th. Repulse Bay was filled with pack ice from the 1st–16th.

‡‡ *Bering Sea and Beaufort Sea.*—A land water, varying from 5–10 miles wide off north Alaska to 20 miles wide near Cape Halkett, extended from Point Belcher to Banks Land. The edge consisted of tight pack ice from Demarcation Point to Cape Halkett and of scattered ice from Point Belcher to Point Barrow. No ice was found in Bering Strait.

‡‡ *Isforholdene i de arktiske Have, 1921 and 1922*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1921

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **OCTOBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1009·8	..	267·3	271·9	1, 3, 4	260·7	245·2	30th	264·0	..	−0·2	14	− 6
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	56 7	18·9	1003·2	1005·6	− 3·4	270·5	273·8	11th, 12th	265·6	261·0	23rd	268·1	*268·1*	−0·9	24	− 4
135	Jan Mayen	70 59	W 8 18	23·1	1000·8	1003·7	..	..	278·6	6th	269·4	265·3	28th	..	271·0	..	36	..
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1000·1	1001·6	− 8·6	..	273·0	3rd	262·7	254·3	29th	..	265·0	−1·8	18	− 11
140	Björnöen	74 28	19 15	40·5	996·1	1001·2	..	..	..	..	..	..	..	..	*269·9*	..	13	..
141	Grisvaer	71 6	25 22	6·5	999·9	1000·7	− 6·1	..	280·9	12th	272·4	267·8	25th	..	*274·3*	−0·7	111	+ 33
142	Mehavn	71 1	27 47	6·4	1000·3	1001·1	− 6·8	..	279·7	12th	270·8	263·9	26th	..	*273·1*	−1·4	150	+ 62
143	Vardö	70 22	31 8	**	999·4	1000·7	− 6·5	..	279·0	9th	272·3	266·2	26th	..	*273·9*	−0·6	61	− 3
147	Malye Karmakouly	72 23	52 43	14·8	996·6	998·5	− 9·7	..	277·3	6th	269·3	258·0	26th	..	*271·9*	+2·4	35	+ 5
148	Waigatz	70 24	58 47	11·2	1000·7	1002·1	− 5·1	274·3	277·5	8th	269·4	260·2	26th	271·8	*272·1*	..	28	..
		N.	E.															

Between Latitude 70° N. and 60° N. **OCTOBER—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1005·1	− 0·3	273·0	277·4	1st	266·3	259·7	28th	269·7	*269·7*	−1·7	30	− 7
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1005·4	− 0·9	270·1	277·4	1st	263·9	253·0	18th	267·0	*267·3*	−0·9	19	− 8
206	Rampart	65 30	150 15	122	..	..	..	269·7	280·2	2nd	264·6	253·6	18th	267·1	..	−0·2	31	+ 6
207	Valdez	61 7	146 16	8·2	..	1003·0	− 2·3	278·7	284·7	14th	272·5	262·4	28th	275·6	*275·2*	−0·6	174	+ 1
208	Eagle	64 46	141 12	254	..	1006·4	− 2·6	272·8	284·1	7th	267·0	255·8	19th	269·9	..	+0·8	13	− 8
209	Dawson	64 4	139 20	328	965·4	1006·3	− 3·8	272·4	281·3	7th	266·3	253·6	30th	269·4	..	−0·3	47	+ 13
210	Carcross	60 11	134 34	662	..	..	..	279·0	288·6	12th	270·5	261·9	30th	274·7	..	+0·8	33	+ 7
211	Fort Good Hope	66 15	128 31	65·2	1000·3	1009·1	..	271·0	281·3	1st	263·6	249·7	31st	267·3	..	..	49	+ 23
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	987·1	1006·8	− 5·0	278·9	291·9	11th	272·3	263·0	31st	275·6	..	+2·9	21	− 7
225	Jacobshavn	69 13	51 2	12·6	1001·4	1003·0	− 4·6	271·1	278·7	10th	264·7	257·3	22nd	267·9	*268·0*	−1·3	45	+ 21
226	Godthaab	64 11	51 43	9·0	998·2	999·4	− 5·8	275·1	281·2	9th 11th	269·2	262·4	19, 20, 21	272·1	*271·9*	−0·3	51	− 12
227	Ivigtut	61 12	48 10	5·0	1001·0	1001·6	− 3·8	276·3	282·1	9th	271·1	263·4	21st	273·7	*273·6*	−0·4	184	+ 35
229	Angmagsalik	65 37	37 33	31·7	1000·8	1004·8	− 1·6	271·9	277·5	8th	266·2	258·8	31st	269·1	*268·8*	−3·0	80	− 72
231	Stykkisholm	65 5	22 46	20	1000·4	1002·8	− 2·3	277·8	283·0	25th	273·4	266·6	31st	275·6	*275·5*	−0·7	136	+ 59
232	Vestmanno	63 24	20 17	132	988·2	1004·4	− 0·7	279·3	282·1	8th	274·6	269·3	31st	276·9	*276·8*	−0·9	175	‡+ 28
233	Grimsey	66 33	17 58	22·0	..	..	..	277·1	282·2	26th	..	..	..	..	*274·6*	−1·1	..	..
233*a*	Akureyri	65 40	18 4	35	..	1003·2	− 4·2	..	..	..	..	..	..	..	..	..	..	..
234	Berufjord	64 40	14 19	18·0	1002·3	1004·5	− 1·8	279·7	285·2	12th	272·2	267·1	22nd	275·9	*276·2*	−0·3	65	− 61
235	Thorshavn	62 3	6 45	26·3	1005·8	1009·0	+ 1·4	282·6	287·5	5th	277·8	271·0	23rd	280·2	*280·0*	+0·6	165	+ 9
236	Lerwick	60 9	W 1 11	46·9	1007·0	1012·7	+ 4·4	283·9	289·1	6th, 9th	279·8	274·7	22nd, 24th	281·9	*282·0*	+1·0	116	+ 16
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1007·6	1013·1	+ 3·3	284·0	291·0	6th	278·8	274·5	24th	281·4	*281·6*	+1·1	403	+198
238	Aalesund	62 28	6 10	6·3	1009·4	1010·1	+ 1·5	..	293·4	6th	..	273·0	23rd	..	*281·4*	+1·0	311	+151
239	Trondhjem	63 26	10 25	39·5	1004·2	1009·0	+ 0·1	281·0	287·5	16th	275·8	269·5	24th	278·4	*278·4*	+0·4	220	+135
240	Bodö	67 17	14 24	22·4	1001·6	1004·3	− 3·4	..	283·0	16th	274·6	267·8	30th	..	*276·6*	−0·6	274	+166
241	Haparanda	65 50	24 9	9·2	1003·8	1005·0	− 5·3	275·9	283·0	17th	269·9	257·5	25th	272·9	*273·1*	−1·2	98	+ 42
242	Helsingfors	60 10	24 57	11·7	1007·5	1009·0	− 4·5	280·8	285·5	7th	275·1	265·0	25th	278·0	*278·0*	−0·4	85	+ 19
242*a*	Kuopio	62 54	27 40	90·3	994·7	1005·8	− 6·8	277·5	282·6	18th	272·4	262·4	31st	275·0	*276·2*	−1·0	117	+ 66
243	Kola	68 53	33 1	6·7	1001·1	1002·0	− 7·1	273·9	280·0	13th	268·2	254·4	26th	271·0	*271·1*	−1·4	52	+ 25
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1003·1	1003·9	− 8·4	274·7	282·3	15th	269·0	254·3	29th	271·8	*271·6*	−2·6	69	+ 29
246	Mezen	65 50	44 16	14·9	1001·2	1003·1	− 7·8	272·9	281·0	5th	267·5	253·2	29th	270·2	*270·4*	−2·0	62	+ 34
247	Oust-Tsyima	65 25	52 18	? 68	995·9	1004·5	− 8·5	272·8	280·2	6th	267·4	252·1	27th	270·1	*270·1*	−1·1	36	..
248	Tcherdyn	60 24	56 31	?177	985·0	1007·0	− 8·8	276·3	286·1	6th	270·4	259·0	28th	273·4	*273·4*	+0·8	50	− 1
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1007·5	1012·5	− 1·8	..	283·4	1st	269·9	255·1	28th	..	*273·1*	+2·6	40	+ 7
252																		
253	Doudinka	69 23	86 4	? 20	1010·3	1012·8	+ 4·4	..	276·1	2nd	265·0	254·4	27th	..	*267·7*	+4·1	6	− 15
254	Touroukhansk	65 47	87 57	? 45	1011·9	1017·7	+ 4·1	..	281·2	2nd	266·8	250·9	28th	..	*269·3*	+3·2	22	− 9
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	..	..	..	*265·0*	+0·1	10	− 7
262	Jakoutsk	62 1	129 43	?108	1005·4	1019·4	+ 1·0	..	280·5	2nd	261·5	250·9	18th	..	*265·4*	+1·0	9	− 9
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 105.
** Height changed from 10·0 m. to 6·8 m. from October 28th.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	277·3	280·2	1st	273·5	269·1	29th	275·4	..	−1·4	64	−70
302	St. Paul Island	57 15	170 10	21·3	..	1005·1	+ 0·4	279·9	284·7	20th, 21st	274·6	269·7	26th	277·2	..	**−1·1**	80	−70
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1005·1	− 0·2											
304								276·0	281·3	1st, 8th	269·6	259·7	30th	272·8	..	−2·6	54	−80
305	Dillingham	59 0	158 28	24·4	..	..	..	280·3	283·0	sev. dates	276·1	270·2	28th	278·2	..	−0·9	70	−70
306	Kodiak (Radio)	57 46	152 22	6·1	..	996·9	− 5·3											
309	Sitka	57 3	135 19	27·4	..	1004·0	− 4·3	284·1	289·7	13th, 14th	277·9	274·1	5th, 29th	281·0	*280·9*	+0·3	398	+150
310	Prince Rupert	54 18	130 18	51·8	1003·7	1010·0	− 2·0	284·7	291·3	10th	279·1	274·7	29th	281·9	*282·3*	+0·5	335	+100
311	Barkerville	53 2	121 35	1274	866·4	1012·5	− 1·6	283·0	289·1	11th	267·4	260·2	25, 28, 29	275·2	*275·7*	−0·9	62	− 30
312	Kamloops	50 42	120 29	385	973·4	1019·6	− 0·5	288·0	295·2	13th	276·9	266·9	23rd	282·4	*282·5*	+0·6	2	− 90
313	Calgary	51 2	114 2	1045	892·8	1012·5	− 3·1	290·8	300·8	3rd	272·4	266·9	26th	281·6	*280·7*	+3·1	2	− 80
314	Fort Chipewyan	58 42	111 10	218	981·4	1007·8	− 4·5	280·3	288·6	3rd	272·2	260·8	31st	276·3	*276·6*	+2·5	0	− 70
315	Prince Albert	53 10	105 38	442	959·9	1013·0	− 0·6	285·2	297·4	3rd	273·0	268·6	26th	279·1	*278·8*	+2·6	8	− 60
316	Qu'Appelle	50 30	103 47	645	936·9	1013·6	− 0·8	285·8	295·8	13th	273·6	266·3	7th	279·7	*278·6*	+1·8	36	− 30
317	Minnedosa	50 15	99 50	515	951·6	1013·1	− 2·2	285·2	295·8	4th	274·1	268·6	7th	279·7	*278·8*	+2·1	15	− 50
318	Berens River	52 18	97 23	216	..	..	..	285·2	289·7	15th, 17th	273·1	271·9	sev. dates	279·1	..	+1·6	132	+ 70
318*a*	Port Nelson	57 4	92 36	14·9	1010·8	1012·6	− 0·1	277·4	288·6	4th	271·9	266·3	14th, 15th	274·7	..	+3·9	15	− 80
319	Fort Hope	51 33	87 49	‡260	981·4	1014·2	..	279·5	285·2	4, 5, 30	272·3	268·6	4th, 11th	275·9	‡*275·9*	+0·4	20	..
320	Moose Factory	51 14	80 30	9·1	1010·3	1011·4	− 3·5	..	..	..	..	..	..	..	..	..	41	..
321	Fort George	53 50	79 5	97·5	..	..	..	277·8	283·0	5th	272·9	268·6	15th	275·3	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	279·3	295·3	1st	270·1	263·0	26th	274·7	..	−0·5	91	+ 10
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	279·4	285·2	3rd	273·1	263·6	17th	276·2	..	−0·4	98	+ 40
326	Belle Isle	51 53	55 23	133	989·3	1005·8	− 4·8	277·6	285·8	1st	273·6	266·9	16th	275·6	*275·4*	−0·3	111	+ 50
333	53°—48° N. 20°—15°W.	††50 8	††17 19	§(50·67)	..	1016·2	..	..	..	S:a Temp. 288·6+1·6	..	..	..	..	288·6	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1018·2	1019·8	+ 7·8	288·7	293·0	2nd	284·0	276·3	20th	286·4	286·8	+2·9	106	+ 30
335	Aberdeen	57 10	W 2 6	26·8	1013·2	1016·6	+ 6·3	286·7	293·0	10th	281·0	274·7	22nd	283·9	283·9	+2·4	38	− 40
336	Greenwich	51 28	0 0	46·3	1016·4	1022·0	+ 8·3	292·9	301·9	6th	281·3	274·7	25th	287·1	286·5	+3·6	20	− 60
337	Uccle	50 48	E 4 22	100	1009·6	1021·6	+ 7·1	293·7	300·8	6th	282·7	271·6	25th	288·2	287·1	+5·0	24	− 50
338	De Bilt	52 6	5 11	3·0	1020·8	1021·2	+ 7·7	291·8	299·7	11th	280·7	270·9	25th	286·3	285·7	+3·3	25	− 50
338*a*	Hamburg	53 33	9 58	40·3	1014·7	1019·6	+ 5·5	288·7	294·9	11th	281·0	272·1	25th	284·9	*284·4*	+2·1	32	− 40
339	Copenhagen	55 41	12 36	5·0	1016·0	1016·6	+ 3·2	286·0	291·3	11th	280·5	273·3	25th	283·3	*283·4*	+1·6	46	− 30
340	Potsdam	52 23	13 4	84·9	1010·2	1020·6	+ 5·1	289·5	297·7	11th	279·6	273·8	1st	284·5	284·0	+2·5	57	− 30
340*a*	Uppsala	59 51	17 38	24	1008·0	1010·9	− 1·3	283·3	290·1	19th	274·4	265·9	25th	278·9	279·2	+1·0	40	− 40
341	Warsaw	52 13	21 1	133	1003·9	1020·2	+ 3·2	287·9	295·0	3rd, 14th	277·3	273·0	5th	282·6	282·6	+1·6	30	− 40
342	Dorpat (Jurjev)	58 23	26 43	74·5	1001·9	1011·1	− 4·3	281·1	289·6	7th	273·9	263·1	28th, 31st	277·5	277·6	−0·3	47	− 40
343	Petrograd	59 56	30 16	4·8	1007·9	1008·5	− 5·7	278·8	285·4	4th	273·8	263·2	28th	276·3	*276·1*	−1·8	62	+ 10
344	Kiev	50 27	30 30	183	996·4	1018·7	− 0·9	285·8	295·1	4th	276·6	269·8	31st	281·2	*280·9*	+0·2	21	− 30
344*a*	Moscow	55 50	37 33	167	990·7	1011·4	− 7·8	279·6	290·1	4th	273·0	265·6	29th	276·3	*276·0*	−1·7	36	− 20
345	Saratov	51 33	45 57	?122	997·6	1012·7	− 8·2	281·4	291·0	4th	274·8	269·1	29th	278·1	*277·8*	−1·4	38	− 20
346	Kazan	55 47	49 8	79·9	999·2	1009·1	− 9·5	279·9	290·3	5th	273·6	268·5	30th	276·8	*276·3*	−0·7	36	− 20
347	Orenburg	51 45	55 6	109	999·5	1013·0	− 7·9	280·2	287·3	1st, 5th	274·2	269·7	21st	277·2	*276·9*	0·0	49	− 10
348	Perm	58 1	56 16	163	989·1	1009·3	− 7·8	277·4	287·0	5th	272·2	265·4	28th	274·8	*274·8*	+0·7	65	+ 10
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	975·1	1009·7	− 8·7	277·1	286·3	5th	271·9	267·6	28th	274·5	*274·5*	+0·5	61	+ 30
350	Tobolsk	58 12	68 14	108	998·7	1012·2	− 5·2	278·5	287·1	6th	272·1	265·9	28th	275·3	*275·0*	+1·8	27	+ 10
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	‡108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1001·6	1021·8	− 1·3	281·8	296·0	1st	272·6	266·0	8th	277·2	*276·8*	+1·9	46	+ 20
354	Tomsk	56 30	84 58	122	1004·3	1019·6	− 0·2	..	286·7	10th	271·8	265·1	29th	..	*275·0*	+1·9	42	+ 20
355	Minousinsk	53 43	91 41	249	991·9	1022·7	− 0·8	..	291·8	4th	271·4	263·6	31st	..	*276·9*	..	20	..
356	Eniseisk	58 27	92 10	77·6	1012·0	1021·9	+ 2·0	..	283·6	3rd	269·0	260·7	14th, 30th	..	*272·3*	+0·4	31	+ 10
357	Irkutsk	52 16	104 19	467	966·7	1024·3	+ 0·8	280·6	288·9	4th, 5th	268·8	257·4	31st	274·7	*274·2*	+0·7	20	+ 10
358	Kirensk	57 47	108 7	263	989·8	1023·3	+ 2·1	..	284·4	5th	264·9	246·1	16th	..	*269·0*	−1·6	27	+ 10
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	973·4	1021·3	..	276·2	285·0	1st	261·4	245·7	17th	268·8	*268·8*	..	9	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1001·4	1019·1	+ 2·8	281·4	295·3	7th	269·6	262·4	16th	275·5	*274·9*	+0·6	28	+ 10
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	1004·3	1015·2	+ 6·5	..	283·5	10th	272·8	266·4	30th	..	*274·6*	−2·1	15	− 40
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·1	1015·6	− 2·0	286·9	295·8	10th	280·8	276·9	23rd	283·8	283·1	+0·9	120	+ 55
412	Portland, Oregon	45 32	122 41	46·6	1011·6	1016·9	− 1·0	291·6	299·1	2nd	282·2	278·6	23rd	286·9	*286·4*	+1·6	71	− 12
413	Macleod	49 44	113 24	953	..	..	..	290·6	299·1	4th, 10th	278·4	270·2	22nd	284·5	*284·2*	+4·6	5	− 12
414	Helena	46 34	112 4	1253	875·2	1017·3	− 0·3	290·8	299·7	20th	276·8	269·1	7th	283·8	*283·4*	+3·2	1	− 22
414*a*	Salt Lake City	40 46	111 54	1329	869·8	1017·3	+ 0·5	293·5	301·3	20th	282·1	274·7	27th	287·8	*288·0*	+3·7	33	− 5
415	Cheyenne	41 8	104 48	1856	814·7	1015·9	− 0·4	291·2	298·6	4th	275·7	267·4	7th	283·4	*284·0*	+3·6	2	− 19
416	North Platte	41 8	100 45	859	917·4	1016·6	− 0·1	295·6	305·2	21st	275·8	270·2	11th	285·7	*284·5*	+1·5	23	− 5
416*a*	Bismarck	46 47	100 38	511	955·4	1016·2	− 0·5	289·7	302·4	4th	275·1	268·6	12th	282·4	*282·2*	+2·5	40	+ 15
417	Winnipeg	49 53	97 7	232	984·4	1012·7	− 2·6	285·8	297·4	4th	275·2	269·7	7th	280·5	*279·4*	+2·6	24	− 12
418	Duluth	46 47	92 6	345	972·4	1014·2	− 1·7	285·0	296·3	15th	276·2	271·3	8th	280·6	*280·0*	+0·9	18	− 36
419	Port Arthur	48 27	89 12	196	989·2	1013·1	− 2·8	283·6	291·9	13th	275·2	270·2	12th	279·4	*279·3*	+1·3	39	− 22
420	Chicago	41 53	87 37	251	984·5	1014·5	− 3·2	280·6	299·1	17th	281·8	275·2	8th	285·7	*285·7*	+0·8	83	+ 20
421	Toronto	43 40	79 24	116	1000·0	1014·1	− 3·9	286·9	293·6	1st	278·6	273·6	13th	282·7	282·5	+1·4	113	+ 51
422	New York (Central Park)	40 47	73 58	47·4	1010·1	1015·8	− 4·4	291·3	298·0	2nd	281·6	274·7	26th	286·5	286·3	0·0	22	− 74
423	St. John, N.B.	45 17	66 4	36·2	1007·9	1012·3	− 4·2	286·3	294·7	2nd	278·0	268·6	26th	282·2	281·9	+1·8	63	− 52
424*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1008·2	1009·3	− 4·0	279·7	285·8	1st	274·7	269·1	16th, 25th	277·2	*277·3*	−0·2	117	+ 34
425	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	Port aux Basques	47 35	59 10	9·1	1009·0	1010·1	− 4·0	281·9	288·0	1st	276·9	268·6	17th	279·4	*279·4*	−0·4	134	− 5
430	St. John's, Newfoundland	47 34	52 42	38·1	1002·7	1007·4	− 5·9	284·1	296·9	1st	277·4	269·1	18th	280·8	*280·8*	+0·4	97	− 47
435	50°—45′ N. 35°—30° W.	††48 39	††32 37	§(32)	..	1009·1	..	..	..	Sea Temp. 287·3—1·2	..	..	..	..	286·9	..	..	..
436	Madrid	40 24	3 41	667	943·6	1020·3	+ 3·5	293·9	300·2	4th	284·7	275·4	25th	289·3	*288·6*	+3·1	71	+ 29
	Nantes	47 15	W 1 34	36·5	1017·3	1021·7	+ 6·6	295·5	304·0	5th	283·2	275·1	31st	289·4	288·6	+4·0	14	− 48
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1016·9	1023·0	+ 7·6	293·9	301·2	5th	281·5	273·4	25th	287·7	287·0	+3·9	13	− 42
438	Marseille	43 18	5 23	75	..	1017·0	+ 2·2	296·0	299·0	2nd	284·9	277·2	25th	290·5	*290·1*	+2·6	15	− 78
438*a*	Zürich	47 23	8 33	493	965·7	1024·1	+ 6·7	291·1	297·7	4th	280·3	271·0	26th	285·7	284·6	+3·2	42	− 52
439	Rome	41 54	12 27	45·5	1014·8	1020·2	+ 4·1	297·0	300·0	10th	285·0	282·0	30th	291·0	*290·4*	+1·2	102	− 16
440	Vienna	48 15	16 22	203	998·2	1022·8	+ 5·7	289·0	294·7	4th	279·8	272·3	26th	284·4	284·2	+1·6	53	+ 4
440*a*	Budapest	47 31	19 2	130	1006·4	1022·2	+ 4·4	292·0	299·1	4th	278·9	273·1	28th	285·5	*284·6*	+1·3	29	− 30
441	Sofia	42 42	23 20	550	957·8	1023·0	+ 4·8	290·0	295·5	4th	277·6	271·2	28th	283·8	*283·3*	−0·7	11	− 47
442	Bucharest	44 25	26 6	82	1012·2	1022·2	+ 3·4	291·8	297·1	4th	277·7	271·5	27th	284·7	284·1	−0·5	3	− 38
443	Odessa (University)	46 29	30 46	65·3	1013·1	1021·1	+ 1·5	287·4	291·7	8th	279·1	273·1	31st	283·2	*283·5*	−1·4	7	− 24
444	Kharkov (University)	50 0	36 14	140	1000·0	1017·2	− 3·8	284·1	293·6	20th	274·7	268·9	12th, 28th	279·4	*279·0*	−1·1	29	− 12
444*a*	Novorossiisk	44 44	37 49	37·1	1015·8	1020·3	+ 2·4	288·5	292·6	4th	280·4	274·5	28th, 29th	284·4	*284·4*	−3·2	69	+ 29
445	Tiflis	41 43	44 48	404	972·7	1020·6	− 0·6	290·2	295·7	25th	279·8	274·1	29th	285·0	284·5	−2·6	19	− 18
446	Astrakhan	46 21	48 2	— 20	1019·6	1017·2	− 4·8	287·8	294·5	21st	277·3	272·0	29th	282·6	*282·8*	−0·4	7	− 4
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1022·0	1019·2	− 2·5	287·0	292·7	5th	280·9	277·5	9th	284·0	*284·0*	−0·7	21	+ 8
448	Krasnovodsk	40 0	52 59	— 5·9	1019·5	1018·8	− 1·9	..	298·0	5th	..	..	..	..	*289·2*	−1·0	9	− 1
449	Kasalinsk	45 46	62 7	67	1011·4	1019·6	− 2·9	286·7	294·0	11th	277·4	273·0	28th	282·1	*281·8*	+1·4	28	+ 19
450	Tachkent	41 20	69 18	478	964·2	1020·4	− 2·0	293·8	301·8	11th	280·5	273·2	14th	287·2	*286·5*	+1·3	35	+ 7
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	288·5	297·2	12th	278·0	272·8	15th	283·2	*283·0*	..	47	..
461	Moukden	41 48	123 23	43·8	1016·4	1021·8	+ 1·9	288·2	297·4	8th	276·3	270·4	21st	282·3	281·3	−0·8	9	− 28
462	Joshin	40 40	129 11	31·9	1017·2	1021·1	+ 2·7	288·8	295·3	16th	279·8	275·3	12th	284·3	284·0	−0·4	68	+ 33
463	Yuki	42 20	130 24	65·6	1012·5	1020·6	+ 2·9	287·0	298·2	16th	277·7	271·6	20th	282·3	282·2	−1·0	143	+ 98
464	Vladivostok	43 7	131 55	128	1005·2	1021·0	+ 2·8	285·5	291·0	7th	277·6	266·7	20th	281·6	281·2	−1·1	82	+ 36
465	Ochiai	47 20	142 47	27·4	‡1016·1	‡1019·5	+ 4·6	284·7	291·3	4th, 9th	272·8	266·0	26th	278·7	278·9	−0·3	68	+ 38
466	Nemuro	43 20	145 35	26·7	1015·5	1018·8	+ 3·1	286·5	292·2	10th	280·4	275·2	24th	283·5	283·7	+0·2	110	+ 15
466*a*	Syana	45 14	147 53	39·3	1014·6	1019·4	+ 3·9	285·4	291·1	4th	276·7	271·5	24th	281·1	281·5	−0·2	112	+ 9
		N.	E.															

Between Latitude 40° N. and 30° N.

OCTOBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1010·9	1016·6	+ 0·1	293·1	302·4	19th	285·7	283·0	27th	289·4	*288·6*	+0·9	13	− 14
512	San Luis Obispo	35 18	120 39	61·3	1008·7	1016·2	+ 0·2	298·0	312·4	18th	283·8	276·3	24th	290·8	*289·4*	+1·0	4	− 21
513	San Diego	32 43	117 10	26·5	1011·3	1014·2	0·0	294·3	303·6	29th	287·8	283·0	25th	291·1	*290·8*	+0·6	17	+ 6
514	Modena	37 48	113 54	1670	835·5	1015·9	− 0·8	294·3	302·4	18th	276·2	269·1	28th	285·2	*285·0*	+2·9	50	+ 28
515	Santa Fé	35 41	105 57	2138	790·0	1015·9	+ 1·3	291·5	298·6	19th	277·9	270·8	28th	284·7	*284·2*	+1·1	25	− 2
516	Denver	39 45	105 0	1613	839·1	1016·2	+ 0·1	293·8	300·2	5th	278·8	273·0	7th	286·3	*287·1*	+3·5	17	− 9
517	Abilene	32 23	99 40	530	954·8	1015·6	− 1·1	300·9	308·6	10th	285·3	274·1	8th	293·1	*291·8*	+1·0	0	− 63
518	Saint Louis	38 38	90 12	173	994·8	1015·2	− 2·9	293·6	301·3	24th	283·1	276·3	8th	288·3	*287·8*	+0·1	37	− 26
519	Mobile	30 41	88 2	17·4	1013·9	1015·9	− 1·4	298·6	304·7	3rd	287·4	281·9	9th	293·0	*292·5*	0·0	36	− 49
520	Nashville	36 10	86 47	166	997·9	1017·9	− 1·0	294·4	301·3	24th	281·1	274·7	14th	287·7	*287·6*	−1·1	74	+ 17
521	Charleston	32 47	79 56	14·6	1014·5	1016·2	− 1·8	296·3	303·6	3rd	288·2	282·4	5th	292·2	*292·5*	+0·1	43	− 54
522	Washington	38 54	77 3	34·1	1012·7	1016·6	− 2·3	293·1	299·1	10th	280·6	275·2	14th	286·9	*286·5*	−0·1	34	− 39
523	Bermuda	32 17	64 46	46·0	1010·9	1016·3	0·0	299·1	301·9	1, 2, 3	293·6	290·2	27, 28, 31	296·3	*296·1*	−0·3	128	− 22
530	Santa Cruz (Flores)	39 27	31 9	28	1011·1	1015·6	− 4·6	293·9	298·6	7th	289·9	286·8	19th	291·9	*292·0*	−0·1	106	− 38
531	Horta	38 32	28 38	65	1007·9	1015·2	− 4·3	293·7	297·5	7th	289·5	287·4	10th, 19th	291·6	291·4	−0·7	118	+ 5
532	Ponta Delgada	37 44	25 40	22	1012·6	1014·4	− 3·9	293·4	295·3	7th	290·3	287·5	10th	291·9	291·5	−0·2	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
533	Madeira (Funchal)	32 37	16 54	25	‡1013·5	‡1016·4	− 1·7	295·8	298·5	15th, 19th	290·3	288·0	6th	293·1	*293·1*	−0·1	171	+ 39
534	Lisbon	38 43	9 9	95	1006·1	1017·2	+ 0·2	295·5	299·8	15th	289·4	282·3	26th	292·5	*292·2*	+2·3	72	− 10
535	Melilla	35 18	2 59	8	1017·4	1018·3	− 0·3	298·2	302·0	10th	289·5	283·0	27th	293·8	*295·6*	−0·2	5	− 41
535*a*	Gibraltar	36 6	5 21	16·2	1015·8	1017·8	+ 0·5	296·4	302·2	1st	291·1	286·9	27th, 28th	293·7	*293·7*	+1·8	27	− 57
536	Colomb-Béchar	31 6	4 6	786	929·0	1016·6	..	301·2	307·2	13th	286·7	280·1	31st	294·0	*293·5*	..	60	..
		N. °	W. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1016·3	1019·0	+ 2·7	298·7	304·0	4th	288·8	283·8	29th	293·8	..	+1·8	65	−12
538	Algiers (Bouzaréah)	36 48	3 2	342	978·4	1017·1	+ 0·7	296·3	305·4	4th	289·9	281·9	25th	293·1	292·8	+2·2	71	−11
539	Tunis	36 48	10 10	21	1015·7	1018·2	..	298·7	302·9	9th	289·3	282·9	27th	294·0	*294·1*	+1·8	6	−57
539*a*	Malta	35 54	14 31	56·4	..	1019·1	+ 3·2	296·7	300·2	12th	292·2	290·1	24th, 30th	294·4	*293·5*	−0·2	17	+41
540	Riposto	37 41	15 14	14·2	..	1021·5	+ 3·8	295·8	299·6	13th	290·0	288·4	23rd, 30th	292·9	*292·8*	0·0	135	+83
541	Athens	37 58	23 43	107	1007·0	1019·7	+ 3·0	294·5	298·8	10th	286·5	282·9	31st	290·5	290·1	−1·8	85	+ 7
542	Alexandria	31 12	29 53	32·0	1013·6	1017·3	+ 1·3	300·5	304·2	30th	292·5	289·3	23rd, 24th	296·5	*296·2*	−0·2	9	−16
543*b*	Nicosia (P.W.D.)	35 9	33 22	159	997·1	1015·4	+ 0·4	300·1	307·4	1st	286·5	282·4	13th	293·3	..	−0·6	0	−58
544	Beirut	33 54	35 28	33·7	..	1015·5	+ 0·2	299·1	302·0	2nd	293·3	290·7	19th	296·2	*296·2*	−0·4	3	−56
545	Baghdad	33 21	44 28	38·1	1009·9	1014·5	+ 0·2	305·9	312·3	10th	290·5	283·6	14th	298·2	*296·5*	−0·1	0	−71
546	Lenkoran	38 46	48 51	−20·0	1021·8	1019·4	− 1·1	..	295·3	6th	282·9	278·5	14th	..	*287·1*	−2·3	86	−11
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	296·1	304·9	12th	277·8	272·2	21st	286·9	..	+0·4	1	− 8
549	Seistan	31 0	61 30	?	..	..	..	303·6	311·0	13th	285·9	278·6	23rd	294·7	..	..	0	..
550	Quetta	30 11	67 3	1677	835·7	..	− 0·5	297·9	305·6	3rd	277·7	272·1	23rd	287·8	*287·8*	+0·9	8	+ 4
551	Peshawar	34 2	71 37	339	975·3	1014·4	+ 0·8	303·6	309·1	13th	288·2	283·1	30th, 31st	295·9	*295·1*	+0·1	7	+ 4
551*a*	Lahore	31 34	74 20	214	987·8	1012·4	+ 1·0	305·3	310·6	5th	290·7	285·4	30th	298·0	*297·1*	−0·2	10	+ 1
552	Simla	31 7	77 8	2205	783·8	..	+ 0·4	288·3	292·4	3rd	282·4	277·2	16th	285·3	*285·3*	−1·6	34	+ 1
552*a*	Leh	34 10	77 42	3503	669·2	..	+ 0·2	285·2	291·5	4th	271·1	266·3	30th	278·1	*277·2*	−1·8	6	− 8
559	Hankow	30 35	114 17	37·0	1017·4	1021·9	+ 1·6	295·0	300·5	3rd	287·4	283·1	12th	291·2	*291·0*	−0·6	99	+ 13
560	Tientsin	39 10	117 10	5·0	1021·7	1022·3	+ 1·7	292·5	298·4	7th	281·5	275·3	21st	287·0	*286·9*	−0·5	2	− 18
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1020·6	+ 1·5	295·8	299·5	8th	284·6	279·5	30th	290·2	289·1	−1·4	52	− 30
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1012·4	1020·6	+ 1·8	291·6	297·3	4th, 5th	282·3	275·8	29th	286·9	286·5	−0·8	25	+ 2
562*a*	Nagasaki	32 44	129 52	133	1001·3	1016·9	+ 0·1	294·0	297·6	17th	287·2	281·4	29th	290·6	290·3	−0·6	21	− 10
563	Kyoto	35 1	135 44	42·9	1011·3	1016·4	0·0	295·4	299·4	19th	283·9	276·3	30th	289·7	288·5	−0·9	63	+115
564	Tokyo	35 41	139 45	21·3	1013·5	1016·0	− 0·8	292·5	301·5	11th	285·0	279·6	30th	288·7	288·4	−0·5	306	+240
565	Kanayama	37 53	140 46	24·6	1014·4	1017·3	+ 0·3	290·6	299·6	11th	282·6	273·5	24th	286·6	286·0	−0·4	438	+340
566	Miyako	39 38	141 59	30·4	1014·1	1017·8	+ 1·1	290·6	299·3	11th	282·5	275·7	24th	286·5	286·0	+0·6	405	+340

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1015·2	− 1·2	300·4	303·0	2nd	294·0	291·3	19th	297·2	*296·8*	..	140	..
605	Honolulu	21 19	157 52	11·6	1015·1	1016·4	+ 0·4	300·5	302·4	..	294·9	293·0	..	297·7	*297·6*	−0·2	110	+ 61
614	La Paz	24 10	110 20	12	1008·2	1009·5	..	307·1	311·8	17th	294·6	288·0	29th	300·8	..	..	3	..
615	Chihuahua	28 38	106 4	1423	861·6	1015·5	..	298·1	300·5	6th, 11th	282·8	272·7	29th	290·4	*290·4*	..	10	..
616	Leon	21 7	101 41	1809	821·3	1010·6	− 0·2	297·3	300·4	11th	284·4	280·8	6th	290·8	*291·1*	+0·2	2	..
616*a*	Monterry	25 40	100 18	528	955·1	1014·5	..	301·3	305·5	2, 10, 25	290·8	287·2	30th	296·1	*295·3*	..	128	..
617	Tulancingo	20 5	98 22	2180	793·1	..	..	291·1	295·0	..	281·9	277·0	..	286·5	286·6	−1·1	89	+ 35
618	Galveston	29 18	94 50	16·5	1014·6	1016·6	− 0·3	298·2	303·0	2nd	292·4	284·7	31st	295·3	*295·3*	−0·1	97	+ 41
618*a*	New Orleans	29 57	90 4	16·2	..	1015·9	− 1·0	299·1	304·1	2nd	290·4	284·7	31st	294·8	*294·2*	+0·4	47	+ 2
619	Merida, Yuc.	20 58	89 38	22	1009·8	1012·3	..	301·9	303·6	4th	295·7	293·4	31st	298·8	*298·4*	..	181	..
620	Havana	23 8	82 21	24·3	..	1012·6	− 0·6	303·1	306·0	3rd, 7th	296·3	295·0	29th, 30th	299·7	*298·9*	+0·2	142	+ 55
620*a*	Key West	24 33	81 48	6·7	1011·7	1012·5	− 1·3	301·7	304·7	3rd	297·2	294·7	1st	299·4	*299·2*	+0·3	192	+140
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	301·9	..	..	295·9	..	..	..	..	..	..	..
622	Watling Island	24 0	74 26	33·5	1010·8	1014·6	+ 1·4	..	303·6	5th, 7th	..	295·8	11th	..	*300·2*	..	..	..
633	Izaña	28 19	16 30	2367	766·4	..	..	285·6	293·4	22nd	278·1	273·7	26th	281·9	*281·4*	0·0	56	− 20
634	La Laguna	28 28	W16 20	547	951·7	1014·1	− 1·4	296·3	303·3	19th	287·8	282·6	29th	292·0	*291·4*	+0·2	51	− 20
641	Siwa	29 12	E 25 29	− 23	1019·5	1016·8	..	303·4	311·9	1st, 2nd	..	..	..	..	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	1002·4	1015·6	+ 1·0	301·6	309·2	2nd	290·2	286·8	18th	295·9	*295·7*	−0·8	0	− 20
643*a*	Aswan	24 2	32 53	99·6	1000·2	1011·4	+ 0·1	309·5	314·7	2nd	293·7	289·0	19th	301·6	*300·8*	+0·2	..	..
644	Tor	28 14	33 37	1·9	1012·7	1013·0	+ 0·5	300·7	307·3	2nd	289·7	286·4	29th	295·2	*296·1*	−0·7	0	− 20
647	Bushire	28 59	50 53	4·3	1012·5	1013·0	− 0·1	303·1	306·6	13th	294·3	289·6	14th	298·7	*298·0*	−0·7	0	− 20
648	Jask	25 44	57 47	4·0	1011·9	1012·4	− 0·2	306·1	310·7	6th	294·6	290·9	23rd	300·3	*299·6*	−1·1	0	− 20
649	Karachi	24 53	66 57	4·0	1012·8	1013·3	+ 1·4	303·3	307·1	23rd	295·9	292·7	25th	299·6	*298·9*	0·0	0	− 20
650	Jacobabad	28 17	68 29	56·7	1005·6	1012·1	+ 1·0	307·2	310·8	4th	292·4	286·0	24th	299·8	*299·0*	−0·5	0	− 20
651	Jaipur	26 56	75 52	436	964·7	1013·7	+ 1·3	306·5	309·5	9th	290·8	285·3	30th	298·7	*298·0*	−0·5	22	+ 1
652	Nagpur	21 8	79 5	310	978·6	1013·5	+ 1·9	306·4	308·4	15th	292·6	286·4	31st	299·5	*299·0*	+0·3	7	− 15
653	Allahabad	25 25	81 51	94·1	1003·1	1013·4	+ 2·6	305·8	307·9	9th	292·1	285·9	31st	298·9	*298·1*	−0·3	7	− 15
653*a*	Darjeeling	27 3	88 18	2266	778·6	..	+ 0·2	?289·3	292·8	3rd	281·9	278·1	31st	?285·6	?*285·6*	−0·5	33	+ 3
654	Calcutta	22 36	88 23	6·4	1011·9	1012·7	+ 1·7	303·3	305·8	7th	296·0	290·4	31st	299·7	*299·3*	−0·3	7	− 15
655	Gauhati	26 8	91 41	59·7	1007·1	1014·1	+ 1·6	302·3	305·0	6th	293·6	288·4	30th	297·9	*297·2*	−1·2	62	− 35
655*m*	Cherrapunji	25 15	91 42	1314	870·9	..	+ 1·1	293·4	295·2	1st	288·6	283·8	30th	291·0	*290·4*	−1·1	185	+135
655*a*	Akyab	20 11	92 56	6·1	1011·3	1012·0	+ 1·0	302·2	304·7	6th	296·5	294·0	22nd	299·3	*298·9*	−1·5	602	+452
656	Mandalay	21 59	96 0	76·2	1004·9	1013·5	+ 2·1	304·0	307·7	1st	295·9	292·8	20th	299·9	*299·5*	−1·6	241	+152
656*a*	Tengyueh	25 2	98 33	1625	837·4	1011·4	+ 2·5	293·3	296·3	23rd	283·8	279·1	19th	288·6	*287·8*	−1·2	287	+152
657	Phu Lien	20 48	106 38	116	1002·0	1015·3	+ 1·9	301·9	305·1	18th	294·6	288·8	31st	298·2	297·5	−0·3	18	− 73
658	Moncay	21 31	107 51	9	1014·7	1015·7	+ 2·1	302·1	304·1	3, 4, 5	293·3	290·3	4th, 6th	297·7	*298·3*	−0·5	165	− 13
659	Hongkong	22 18	114 10	33·2	..	1015·9	+ 2·3	300·2	302·9	23rd	295·4	293·3	31st	297·8	297·3	−0·4	10	− 68
660	Amoy	24 27	118 4	ca.3	1016·7	1017·0	+ 1·2	299·5	303·0	17th	294·1	291·3	26th	296·8	*296·6*	−1·2	13	− 60
661	Taihoku, Formosa	25 2	121 31	9·3	1016·4	1017·5	+ 2·8	298·9	303·6	20th, 23rd	291·2	288·6	10th	295·1	294·5	−1·6	33	− 15
661*a*	Basco	20 28	121 59	18·7	1009·6	1011·9	+ 2·1	301·6	304·5	20th, 21st	295·4	292·1	16th	298·5	*298·9*	−0·7	232	+132
662	Naha	26 13	127 41	10·5	1014·0	1015·1	+ 1·4	299·4	302·7	17th	292·5	288·6	28th	296·0	295·7	−1·3	40	− 58
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1011·2	1011·6	− 2·1	300·8	302·5	4th	295·0	289·6	31st	297·9	297·7	−0·8	124	− 18
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ For Cairo *see* No. 643.

OCTOBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	954·8	1011·2	..	302·8	304·8	8th, 9th	296·2	294·0	14th	299·5	*298·8*	..	70	..
716	Morelia	19 42	101 7	1923	810·9	1012·1	..	294·8	297·5	7th	284·7	280·6	21st	289·7	*289·0*	..	71	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·3	..	0·0	293·3	298·0	10th	281·1	277·7	28th	287·2	286·5	−1·1	53	0
718	Salina Cruz	16 12	95 12	56	1005·0	1011·4	..	301·1	303·6	29th	295·9	293·6	18th	298·5	*298·1*	..	237	..
719	San Salvador	13 42	89 13	682	935·1	1010·8	+ 0·8	301·9	304·6	6th	291·5	290·0	3, 6, 7	296·7	*295·1*	−0·7	505	+232
720	Belize	17 29	88 12	5·2	1009·6	1010·1	− 0·7	..	..	..	295·6	293·6	26, 29, 31	..	‡*297·8*	..	377	+ 32
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·3	+ 0·9	303·5	305·0	sev. dates	295·9	293·9	31st	299·7	*299·5*	+0·1	192	− 14
722	Port au Prince	18 33	72 22	37·4	1008·7	1013·0	+ 1·0	305·5	307·3	9th	295·6	293·7	26th	300·6	*299·6*	+0·5	86	− 96
723	Caracas	10 30	66 55	1042	898·8	1013·4	+ 0·8	297·6	301·0	7th	288·3	285·9	9th, 10th	292·9	*291·7*	−1·7	142	+ 42
724	Montserrat	16 41	62 9	39·6	1008·1	1012·7	− 0·7	303·7	306·9	21st	296·3	294·7	24th	300·0	*299·5*	+0·1	218	+ 16
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡993·5	‡1011·3	+ 0·2	302·0	305·2	30th	296·6	294·7	10th	299·3	*298·7*	+0·4	306	+112
725	Barbados	13 8	59 36	55·2	..	1012·3	− 0·1	302·2	303·2	7, 9, 28	296·2	294·3	31st	299·2	*298·7*	0·0	174	− 20
731	São Vicente, C. Verde Is.	16 54	25 4	11	1011·4	1012·6	− 0·8	301·2	302·5	14th, 15th	..	..	..	..	*299·1*	+0·3	0	− 30
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·3	1013·8	0·0	302·8	305·6	15th	297·8	296·6	17th	300·3	*300·5*	+0·6	2	− 31
733	Bathurst	13 27	16 36	1·8	1013·4	1013·5	+ 1·4	304·3	308·6	2nd	296·6	294·1	1st	300·4	*300·8*	+0·2	38	− 55
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	306·3	308·6	6th, 22nd	296·9	293·6	31st	301·6	..	+0·3	94	+ 30
735	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	*302·4*	..	15	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	310·6	312·4	22nd, 24th	294·7	291·9	13, 17, 19	302·6	*301·9*	+1·0	2	− 9
738	Kaduna Capital	10 32	7 25	637	943·3	1013·9	0·0	304·4	306·9	30th	291·1	288·6	8th, 12th	297·8	*297·1*	−0·4	65	+ 3
739	Hadeija	12 40	10 5	?	..	..	..	310·6	313·0	27, 29, 30	289·6	286·3	12th, 30th	300·1	*299·4*	−1·0	5	− 3
740	Maiduguri	11 47	13 11	361	..	..	..	309·9	312·4	28th	293·6	289·7	31st	301·7	*301·0*	−0·2	2	− 12
741	El Fasher	13 32	25 18	730	..	..	..	309·4	311·3	1st	290·0	286·3	11th	299·7	*299·4*	..	1	..
743	El Obeid	13 11	30 14	569	..	..	..	309·4	310·6	sev. dates	294·2	292·0	13th	301·8	*301·0*	+0·6	28	+ 10
743*a*	Khartoum	15 37	32 33	390	964·6	1007·6	− 0·5	311·1	313·6	3rd	297·8	292·6	15th	304·5	*305·3*	+0·7	16	+ 11
744	Port Sudan	19 37	37 13	5·5	1010·7	1011·4	+ 0·5	306·6	310·9	2nd	299·0	296·7	16th	302·8	*302·3*	+0·6	3	− 5
745	Berbera, Somaliland	10 22	45 2	9·5	1011·3	1012·3	− 0·1	306·6	310·2	2nd	296·3	292·4	31st	301·4	*302·2*	−0·9	13	+ 12
746	Aden	12 45	45 3	28·7	1009·4	1012·7	+ 0·2	303·4	306·2	1st	297·7	294·2	29th	300·6	*299·7*	−1·1	0	− 3
751	Bombay	18 54	72 49	11·3	1010·9	1012·2	+ 0·5	304·8	306·1	20th	298·2	295·6	31st	301·5	300·8	+0·6	6	− 39
752*a*	Kodaikanal	10 14	77 28	2343	770·8	..	+ 0·2	290·4	291·7	14th	283·6	279·8	23rd	287·0	*286·2*	+0·2	320	+ 49
753	Bangalore	12 59	77 38	920	910·8	1011·3	+ 0·2	300·9	303·6	4th	291·3	288·4	18th	296·1	*295·3*	+0·2	148	− 9
754	Madras	13 4	80 14	6·7	1010·3	1011·1	+ 0·5	303·2	306·7	7th	296·9	295·4	8th	300·1	*299·2*	−0·9	558	+264
755	Vizagapatam	17 42	83 19	11·6	1010·7	1012·0	+ 1·6	302·8	305·4	26th	298·1	296·0	10th	300·4	*299·7*	..	276	+116
756	Port Blair	11 40	92 40	18·0	1009·0	1011·0	+ 0·2	302·8	304·3	3rd	297·3	295·5	17th	300·1	*299·4*	−0·6	360	+ 80
757	Rangoon	16 46	95 48	5·5	1012·2	1012·8	+ 1·5	304·6	305·9	20th	297·7	295·6	20th	301·1	*300·2*	+0·5	99	− 78
758	Saigon	10 47	106 42	11	1008·8	1010·0	+ 0·6	304·0	307·0	16th	296·4	294·7	28th	300·2	*299·7*	−0·1	249	− 17
759	Nhatrang	12 15	109 12	3·6	1011·0	1011·4	+ 1·5	301·7	304·3	19th	295·8	294·9	5th	298·8	*298·4*	−1·0	723	+413
761	Bolinao	16 23	119 53	7·1	1007·3	1008·2	+ 0·8	305·8	306·8	17th	296·9	295·6	23rd	301·3	*300·7*	+0·5	29	−155
761*a*	Vigan	17 34	120 23	12·2	..	1009·7	+ 1·1	305·6	307·3	26th	296·2	295·1	23rd	300·9	301·0	+0·7	3	−179
762	Manila	14 35	120 59	14·2	..	1010·4	+ 1·6	305·2	307·4	24th	295·5	293·5	22nd	300·3	299·3	−0·3	37	−133
765	Ormoc	11 0	124 36	5·6	1007·8	1008·5	+ 0·5	305·5	306·9	15th	295·2	293·9	15th	300·3	*297·7*	−1·3	204	− 31
	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1004·3	1006·9	− 1·1	302·9	304·3	28th	297·6	296·1	8th	300·3	*300·1*	+0·1	279	− 61

OCTOBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	..	..	..	305·2	307·4	21st	297·2	294·7	22nd	301·2	*300·7*	+0·1	46	− 58
821	Colon	9 23	79 23	11·0	..	1011·0	+ 0·6	304·1	306·3	6th	296·8	295·8	23rd	300·4	*299·8*	+1·1	210	−168
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	190	+ 27
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·5	..	+ 0·5	295·9	299·5	7th	288·1	286·0	22nd	292·0	*290·9*	−0·6	338	+ 66
824	El Peru, Guayanavieja	7 19	61 49	220	984·9	1009·9	+ 0·4	302·2	304·7	2nd	293·1	290·9	28th	297·7	*297·1*	−1·0	147	+ 53
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·6	+ 1·0	302·8	303·6	sev. dates	297·3	295·8	2nd	300·1	*299·7*	−0·7	225	+150
826	Paramaribo	5 49	55 9	3·7	‡1012·8	‡1013·2	+ 1·0	304·2	305·8	17th	295·9	293·3	23rd	300·1	*298·8*	−0·6	104	+ 32
826*a*	Cayenne	4 56	52 21	6	..	..	..	307·2	308·6	19th	293·3	292·0	12th, 29th	300·3	*300·0*	−0·9	92	+ 58
833	Konakri	9 4	13 42	16	..	..	..	300·2	301·0	sev. dates	296·4	295·0	sev. dates	298·3	*298·0*	−1·0	173	−208
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·1	1012·0	+ 0·4	303·8	305·8	2, 12, 18	296·2	294·1	30th	300·0	*299·1*	+0·3	135	−186
835	Assuantsi	5 18	1 15	101	..	..	..	303·0	304·7	12th	294·8	293·0	21st	298·9	*298·4*	..	92	..
837	Accra	5 33	W 0 12	25·1	1008·1	1010·9	..	303·3	305·2	29th	296·0	294·7	20th, 25th	299·7	*299·2*	+1·0	44	− 5
838	Lagos	6 27	E 3 24	6·7	1011·6	1012·3	− 0·9	302·9	304·2	..	296·8	294·7	..	299·9	*299·5*	+0·4	95	−102
839	Zungeru	9 48	6 10	130	..	..	..	307·1	309·1	12th	292·2	290·2	19th	299·7	*299·0*	−0·2	68	− 12
841	Yola	9 12	12 30	259	..	..	..	307·5	310·2	22nd	..	..	..	..	*302·4*	..	15	..
	Wau	7 42	28 3	440	..	..	..	309·8	310·5	sev. dates	292·8	290·0	1, 16, 19	301·3	*299·0*	+0·7	34	− 93
842	Malakal (Kodok)	9 35	31 37	394	965·4	1009·5	+ 0·4	307·1	309·6	31st	294·2	291·9	2nd	300·6	*298·8*	0·0	76	− 7
842*a*	Mongalla	5 11	31 47	439	959·6	1008·3	0·0	307·0	310·0	sev. dates	..	..	..	..	..	..	45	− 64
844	Entebbe	0 5	32 29	1171	883·2	1009·6	− 0·4	299·2	301·1	30th	289·2	284·2	1st	294·2	*293·6*	−0·3	103	+ 15
851	Minicoy	8 17	72 49	2·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851*a*	Cochin	9 58	76 27	2·7	1011·1	1011·5	0·0	303·2	305·1	24th, 25th	296·9	295·7	22nd	300·1	*299·4*	0·0	252	− 85
852	Colombo Observatory	6 54	79 53	7·3	..	1009·9	− 0·2	303·2	304·5	4th	297·0	296·0	19th	300·1	*299·4*	+0·3	214	−118
853	Nuwara Elija	6 59	80 47	1886	812·4	1010·2	..	293·5	296·3	1st	284·7	278·4	16th	289·1	*288·5*	+0·9	297	+

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	306·3	308·8	31st	297·3	295·6	23rd	301·8	*300·6*	−0·6	135	+24
926	Taperinha	2 30	54 20	20·0	1007·7	1010·0	− 0·6	304·8	306·8	7th	295·5	294·0	10th	300·2	*299·1*	−0·2	33	− 1
927	Turyassu	1 43	45 26	15·1	1009·2	1010·9	− 0·2	305·9	307·7	30th	295·5	293·8	21st	300·7	*300·0*	+0·1	3	− 28
928	Barra do Corda	5 30	45 16	81·0	999·9	1009·3	− 0·9	305·9	308·8	30th	295·2	292·6	12th	300·6	*299·2*	−0·5	20	0
929	Quixeramobim	5 16	39 15	207	988·7	1011·9	+ 0·1	307·0	308·4	30th	297·7	297·0	4, 5, 13	302·4	*301·1*	−0·1	1	..
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1013·7	+ 1·2	298·9	301·0	20th, 25th	294·5	292·9	15th	296·7	*296·5*	+0·2	5	− 2
940	Brazzaville	4 17	15 16	320	‡?977·0	‡?1012·8	..	..	..	..	?296·1	?293·0	25th	..	‡?*299·9*	..	..	..
943	Masaka	0 21	31 47	?1280	..	..	..	299·2	300·8	19th	288·1	286·3	28th	293·7	*292·3*	−0·3	85	− 10
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	298·0	300·2	5th, 7th	286·9	280·8	4th	292·4	..	..	23	..
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	297·4	299·7	7th, 14th	..	..	..	..	..	..	23	− 15
944*a*	Zanzibar	6 10	39 11	21·9	1014·0	1016·4	0·0	301·6	302·8	21st	297·1	295·9	13th	299·3	*298·5*	0·0	137	+ 37
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	303·6	8th, 9th	297·4	295·8	20th, 21st	299·7	*299·3*	−0·2	0	− 36
947	Seychelles, Port Office	4 37	55 27	4·0	1012·1	1012·6	+ 0·4	300·6	301·8	30th	297·7	296·4	11th	299·1	*298·4*	0·0	72	− 5
957	Padang	0 56	100 22	6·7	..	1010·8	− 0·2	..	..	..	..	..	..	..	..	..	452	− 54
958	Batavia	6 11	106 50	8·0	1009·3	1010·2	0·0	303·6	307·2	5th	296·3	295·3	10th, 11th	300·0	299·5	−0·1	72	− 47
958*a*	Pontianak	0 1	109 20	2·6	..	1010·6	+ 0·2	..	..	..	..	..	..	..	..	..	454	+ 71
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	5	− 17
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	44	− 1
962	Amboina	3 42	128 10	4·2	..	1010·1	+ 0·4	..	..	..	..	..	..	..	..	..	265	+108
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	121	+ 15
965	Daru	9 4	143 13	7·6	..	1011·0	− 0·3	302·2	..	..	296·8	..	..	299·5	*299·1*	−0·1	215	+158
966	Port Moresby	9 29	147 9	39·0	..	1011·1	− 0·4	303·1	..	..	297·4	..	..	300·2	*299·8*	+0·8	204	+128
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	?1011·1	?1011·4	+ 1·3	?304·1	?305·4	14th, 31st	?297·9	?296·9	7th	?301·0	*?300·8*	+0·6	128	− 96
970	Ocean Island	0 52	169 35	54·0	..	..	..	304·1	304·7	10th	298·3	296·3	22nd	301·2	*300·4*	+0·2	40	−126
		S.	E.															

OCTOBER—ZONE 10.

Between Latitude 10° S. and 20° S.

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1012·4	+ 0·9	303·2	305·5	19th	296·8	295·4	23rd	300·0	299·6	+0·7	118	− 29
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·2	305·2	10th, 27th	294·9	293·0	1, 3, 5	298·5	*298·3*	+0·9	113	+ 24
1021	Arequipa	16 22	71 33	2451	762·3	..	+ 1·4	292·8	295·1	4th	282·1	280·1	15th	287·4	*286·6*	0·0	0	− 0
1022	Puerto de Arica	18 28	70 20	5	..	..	..	292·9	293·4	sev. dates	286·7	286·2	sev. dates	289·8	..	..	0	− 0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	726·8	..	..	288·8	293·5	25th	279·6	275·0	6th	284·2	*284·2*	..	127	+ 94
1025	Corumba	18 59	57 39	116	997·1	1010·4	+ 0·1	303·4	308·2	11, 13, 22	292·5	284·0	6th	298·0	*297·3*	−1·1	42	− 59
1026	Cuyaba	15 36	56 6	165	990·9	1009·4	+ 0·3	306·4	311·2	12th	293·8	286·4	8th	300·1	*300·3*	−0·6	166	+ 58
1027	Bello Horizonte	19 55	43 57	895	911·4	1009·7	− 3·0	299·7	305·5	26th	288·8	282·8	7th	294·3	*294·1*	−0·3	90	+ 23
1028	Caetite	14 3	42 37	897	915·1	1013·3	+ 0·1	300·0	305·3	28th	290·9	288·0	31st	295·4	*296·0*	−0·1	116	+ 51
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·6	1012·9	− 1·0	300·5	303·3	19th	295·4	293·9	30th	298·0	*297·6*	+0·1	107	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	948·0	1015·0	+ 2·1	292·8	295·8	26th	286·1	284·4	30th	289·4	*288·9*	+1·5	25	− 24
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	296·5	299·4	21st	283·4	283·0	sev. dates	289·9	*290·9*	..	0	..
1042	Gwelo	19 28	29 48	1417	862·0	1011·5	− 0·2	304·8	308·6	22nd	287·7	285·2	2nd	296·2	..	+1·7	4	− 11
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡855·6	‡1011·2	+ 1·2	303·6	306·4	27th, 28th	286·1	281·9	8th, 9th	294·8	*293·7*	+0·3	33	+ 4
1044	Zomba	15 23	35 18	955	907·8	1011·6	− 0·2	302·8	305·8	14th	290·6	286·3	1st	296·7	*296·4*	+0·3	59	− 2
1045	Antananarivo	18 55	47 32	1400	865·8	1016·7	0·0	300·9	303·3	24th	285·6	281·3	3rd	293·3	*292·0*	+0·5	26	− 30
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·2	1013·7	+ 0·1	301·7	303·0	7th, 8th	297·6	294·7	26th	299·7	*299·3*	+0·1	57	− 51
1057	Christmas Island	10 25	105 43	5·5	1007·2	1007·8	− 2·1	304·6	305·8	..	296·8	295·2	..	300·7	*300·2*	+0·5	71	− 11
1061	Kupang	10 10	123 34	45·1	..	1011·0	+ 0·3	306·0	308·8	5th	296·0	293·7	7th	301·0	300·3	..	112	+ 36
1061*a*	Derby	17 18	123 40	16·2	1010·0	1011·8	+ 0·4	307·7	312·6	22nd	296·2	291·6	6th	301·9	..	−0·2	0	− 37
1062	Hall's Creek	18 13	127 46	374	969·4	1011·1	+ 0·2	309·3	313·1	18th	293·5	284·9	6th	301·4	*300·8*	−0·3	0	− 37
1063	Darwin	12 28	130 51	29·6	1007·1	1010·4	+ 0·2	307·4	309·7	30th	298·3	296·1	23rd	302·9	*301·8*	+0·3	72	+ 45
1064	Daly Waters	16 16	133 23	211	985·2	1008·8	− 1·0	309·7	314·7	15th	294·9	286·9	6th	302·3	*301·7*	−0·6	64	+ 17
1065	Mein	13 13	142 47	122	995·9	1009·8	− 0·8	306·0	311·1	12th	294·8	291·3	2nd	300·4	*299·7*	+0·1	18	..
1066	Georgetown, Queensland	18 22	143 32	302	980·4	1014·4	+ 2·2	307·2	312·2	13th	293·1	284·1	4th	300·1	..	−0·5	19	..
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	1011·6	+ 0·2	302·8	..	..	297·3	..	..	300·1	*299·9*	+1·1	495	+348
1072	Suva, Fiji	18 8	178 26	6·1	..	1015·7	+ 1·1	302·2	303·1	22nd	293·2	290·2	2nd	297·7	*297·5*	+0·3	125	− 97
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics* ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

OCTOBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·3	303·6	31st	293·8	289·1	15th, 19th	296·6	*296·4*	+0·9	231	+128
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·0	1018·3	+ 1·2	289·5	291·5	30th	284·8	283·0	14th	287·1	*287·0*	+0·5	4	+ 3
1122	Iquique	20 12	70 11	9	1016·2	1017·3	+ 1·2	292·6	295·4	23rd	287·2	285·6	20th	289·9	*289·8*	−0·4	0	0
1122*a*	Catamarca	28 27	65 47	510	954·7	1012·2	+ 1·7	301·0	309·8	11th	287·6	279·7	5th	294·3	294·0	−0·8	45	+ 27
1123	Salta	24 46	65 28	1178	883·1	1011·9	+ 0·7	298·2	304·6	14th	285·6	279·0	6th	291·9	292·1	−0·1	42	+ 22
1124																		
1125	Goya	29 9	59 15	26	1011·0	1014·1	+ 0·7	299·2	304·7	11th	287·0	282·6	7th	293·1	292·5	−0·3	80	− 35
1126	Asuncion	25 21	57 37	93	1002·2	1012·9	+ 0·8	303·6	312·0	26th	289·9	284·5	5th	296·8	296·2	+0·4	177	+ 43
1127	Curityba	25 25	49 17	908	913·1	1015·0	− 0·6	293·9	301·3	25th	284·1	278·2	9th	289·0	*288·0*	−1·0	74	− 84
1128	Rio de Janeiro	22 54	W43 10	61·4	1007·7	1014·9	− 0·1	296·3	301·1	16th	291·4	288·9	22nd	293·8	293·7	−0·8	33	− 54
1139	Windhoek	22 35	E 17 5	1680	..	..	..	302·7	305·6	26th	289·1	285·5	31st	295·9	*296·1*	+1·6	5	− 4
1140																		
1141	Kimberley	28 42	24 47	1202	882·2	1012·5	+ 0·1	301·9	307·4	26th	284·5	279·6	11th	293·2	293·1	+0·7	14	− 12
1141*a*	Johannesburg	26 11	28 4	1806	823·1	1013·7	+ 0·1	296·6	301·3	26th	284·7	280·2	15th	290·7	*290·4*	+0·6	73	+ 8
1142	Pretoria (Brooklyn)	25 46	28 13	1400	863·5	1013·5	+ 0·3	300·1	304·1	8, 9, 27	286·1	283·6	2, 30, 31	293·1	*292·8*	+0·5	82	+ 14
1142*a*	Bulawayo	20 9	28 35	1340	869·2	1011·8	+ 0·3	303·2	307·4	28th	288·1	285·6	8th	295·6	*295·3*	+0·2	18	− 5
1143	Durban	29 52	31 3	15·2	1017·3	1019·1	+ 0·5	295·8	301·2	9th, 27th	289·7	286·2	3rd	292·8	*292·2*	−0·4	158	+ 27
1144	Lourenço Marques	25 58	32 36	59	..	1016·7	− 0·3	300·2	308·4	27th	291·1	287·8	16th	295·7	294·9	−0·2	120	+ 61
1147	Mauritius	20 6	57 33	55·2	1010·0	1016·4	− 1·8	300·2	302·0	12th	290·9	286·7	12th	295·5	295·2	0·0	30	− 5
1159	Onslow	21 43	114 57	4·3	1011·9	1012·4	− 0·3	304·6	310·7	24th	288·8	285·8	28th	296·7	..	−0·2	0	− 1
1160	Peak Hill	25 38	118 47	588	945·8	1011·9	− 0·1	302·3	306·9	26, 27, 31	287·4	282·4	14th	294·9	..	−0·3	20	+ 15
1161	Nullagine	21 53	120 5	386	967·1	1010·7	− 0·8	306·6	311·8	31st	289·1	282·7	23rd	297·9	..	−1·0	7	+ 1
1162	Laverton	28 40	122 23	466	960·4	1013·5	− 1·0	300·9	308·3	27th	286·2	279·4	14th	293·6	*293·5*	+0·7	12	+ 4
1163	Alice Springs	23 38	133 37	587	946·0	1012·5	− 1·2	302·0	309·1	31st	284·7	276·3	3rd	293·3	*293·3*	−2·6	6	− 13
1164	William Creek	28 55	136 21	76·2	1006·4	1015·3	+ 0·9	301·7	311·1	31st	284·1	278·3	3rd	292·9	*292·6*	−1·4	6	− 4
1165	Boulia	22 55	139 38	146	995·4	1012·3	+ 0·6	305·1	311·6	8th	289·6	283·0	3rd	297·3	*297·3*	−1·9	49	+ 37
1166	Thargomindah	27 58	143 43	123	999·8	1014·2	+ 0·4	301·3	310·2	30th	287·1	280·7	10th	294·2	*293·9*	−1·3	7	− 14
1167	Mitchell	26 32	147 52	336	976·5	1015·0	..	299·3	304·7	17th	283·1	277·4	3rd	291·2	..	−2·3	22	− 13
1168	Rockhampton	23 24	150 30	11·3	1014·0	1015·3	− 0·2	301·3	307·3	13th	289·6	284·1	7th	295·4	*294·6*	−1·5	85	+ 39
1169	Brisbane	27 28	153 2	41·7	1011·5	1016·3	+ 0·1	298·1	302·6	22nd	287·4	283·6	3rd	292·8	*292·5*	−1·2	35	− 30
1170	Norfolk Island	29 4	167 59	15·2	1013·3	1015·1	− 2·6	294·2	297·2	23rd	287·5	283·6	26th	290·8	*290·3*	−0·4	92	− 12
		S.	E.															

Between Latitude 30° S. and 40° S.

OCTOBER—ZONE 12.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	1018·0	1019·2	− 2·8	289·0	291·0	18th	282·2	279·3	14th	285·6	*286·6*	+0·1	131	+ 84
1221*a*	Punta Tumbes	36 37	73 6	120	1003·5	1018·0	− 0·3	288·2	291·0	22nd, 31st	281·4	278·0	10th	284·8	*284·8*	−0·1	13	− 2
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·6	1017·5	− 0·3	291·6	299·5	4th	283·5	281·9	4th, 26th	287·5	*286·9*	−0·3	9	− 2
1222*a*	Santiago	33 27	70 42	520	956·2	1016·7	+ 0·1	295·2	302·0	9th	280·8	276·0	4th	288·0	*287·0*	+0·6	2	− 12
1223	Cordoba	31 25	64 12	423	966·7	1015·5	+ 1·8	297·2	305·3	..	283·9	277·0	..	290·5	290·3	−0·1	84	+ 23
1224	Bahia Blanca	38 45	62 15	25	1016·8	1019·9	+ 4·7	293·1	302·0	28th	282·7	278·0	5th, 6th	287·9	287·8	−0·2	103	+ 46
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·4	1018·3	+ 1·9	293·3	300·4	29th	285·4	279·7	7th	289·3	289·2	−0·9	107	+ 21
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1018·1	+ 1·5	291·1	299·0	29th	285·5	282·8	8th	288·3	*288·2*	+0·2	194	+119
1226*a*	Porto Alegre	30 2	W51 13	23·5	1011·3	1014·1	− 2·4	296·0	302·5	25th	286·9	280·6	9th	291·5	290·9	−0·3	107	+ 36
1239	Cape Town	33 56	E 18 29	12·2	..	1019·0	+ 1·6	293·2	300·8	18th	283·7	279·7	11th	288·4	*287·4*	−0·8	31	− 11
1240	Danger Point	34 37	19 18	27·7	1010·0	1013·3	..	290·5	293·6	7th	284·6	279·7	29th	287·6	..	..	41	− 8
1241	Riversdale	34 6	21 16	761	1007·1	1014·4	..	295·5	303·6	7th	281·4	275·8	3rd	288·4	..	..	19	− 21
1242	East London	33 1	27 54	9·8	1017·1	1018·3	+ 1·2	294·6	298·0	6th	286·7	284·1	3, 11, 15	290·6	..	0·0	55	− 13
1259	Perth (Observatory)	31 57	115 51	60·0	1008·8	1016·0	− 0·9	293·8	299·9	2nd	284·2	278·0	20th	289·0	*288·8*	−0·1	67	+ 13
1260	Katanning	33 42	117 35	310	979·4	1015·3	− 0·4	292·9	299·2	3rd	281·2	276·2	1st	287·1	..	+0·2	54	+ 14
1261	Coolgardie	30 57	121 10	423	964·9	1013·7	− 1·2	297·8	305·3	22nd	283·3	275·9	14th	290·5	*290·4*	−0·1	33	+ 14
1262	Eucla	31 45	128 58	4·6	1013·5	1014·2	− 1·0	296·9	312·4	31st	284·2	277·7	22nd	290·6	*290·1*	+0·6	13	− 5
1263	Streaky Bay	32 48	134 13	13·1	1014·5	1016·0	+ 0·2	297·5	310·8	28th	284·3	278·0	3rd	290·9	*290·3*	+1·0	31	+ 7
1264	Adelaide	34 56	138 35	42·7	1011·5	1016·6	+ 0·5	296·0	309·7	29th	283·9	278·2	4th	289·9	289·4	+0·3	46	+ 2
1265	Melbourne	37 49	144 58	35·1	1011·7	1015·9	+ 1·2	292·0	303·1	30th	282·2	276·9	7th	287·1	*286·9*	−0·1	93	+ 27
1266	Bourke	30 13	145 58	111	1005·5	1018·4	+ 0·3	301·9	311·9	31st	284·2	279·7	2nd, 3rd	293·1	..	−1·3	10	− 16
1267	Sydney	33 51	151 13	40·5	1010·7	1015·4	+ 0·5	294·2	302·4	31st	284·9	282·7	23rd	289·6	*289·3*	−0·9	79	− 3
1268	Lord Howe Island	31 20	159 0	4·6	1014·1	1014·6	− 2·2	294·3	296·1	14th	286·9	281·9	25th	290·6	..	−0·7	82	− 57
1271	Auckland	36 50	174 50	38·1	..	1013·2	..	290·4	292·7	8th	284·8	281·6	2nd	287·6	..	+0·6	154	+ 62
1272	Napier	39 32	176 53	21·3	..	1011·2	− 1·7	291·9	295·2	five days	283·0	276·9	27th	287·4	..	+0·2	90	+ 26
		S.	E.															

Between Latitude 40° S. and 50° S.

OCTOBER—ZONE 13.

		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1008·4	..	..	..	..	..	..	..	..	..	..	68	+ 11
1321	Isla Guafo	43 34	74 45	140	1002·6	1019·7	+ 1·5	284·6	290·5	3rd	280·5	278·3	30th	282·5	*282·2*	+0·4	40	− 16
1322	Punta Galera	40 1	73 44	40	1014·7	1019·6	+ 1·0	286·1	290·2	3rd	281·7	279·4	27th	283·9	*284·4*	+0·5	53	− 54
1323	Sarmiento	45 30	69 0	274	985·6	1016·8	..	..	297·0	29th	277·5	269·4	1st	..	283·6	−0·6	17	+ 11
1324	Punta Madryn	42 49	W64 58	14	1020·0	1021·6	..	290·3	301·8	30th	280·4	273·8	2nd	285·3	285·1	−1·2	36	+ 20
1365	Launceston	41 27	E147 10	10·1	1011·7	1012·8	+ 1·3	291·3	294·8	19th	279·6	275·5	22nd	285·4	*284·6*	+0·3	43	− 25
1366	Hobart	42 53	147 20	53·9	1006·3	1012·8	+ 2·4	289·1	300·3	25th	280·2	275·2	6th	284·7	*283·9*	−0·5	24	− 33
1370	Invercargill	46 25	168 21	3·7	..	..	..	288·1	293·6	28th	279·1	270·2	3rd	283·6	..	0·0	89	− 32
1371	Dunedin	45 52	170 31	91·4	..	1010·7	+ 1·6	286·7	298·0	1st	279·9	274·1	31st	283·3	..	−0·2	171	+ 94
1371*a*	Christchurch	43 31	172 39	7·6	..	1010·0	− 0·7	288·2	295·6	2nd	281·2	274·9	25th	284·7	..	0·0	77	+ 36
1372	Wellington	41 16	174 46	3·1	..	1011·5	− 0·9	288·3	292·1	7th	283·1	278·6	27th	285·7	..	+0·3	165	+ 61
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

OCTOBER—ZONE 14.

RÉSEAU MONDIAL.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	1006·8	1013·6	+ 8·9	280·7	283·8	16th, 18th	277·8	275·5	25th	279·3	*279·1*	+0·5	160	— 80
1422	Puerto de Punta Arenas .	53 10	70 54	28	1009·2	1012·6	+ 7·4	283·9	288·1	12th	277·2	273·0	20th	280·5	*280·8*	+1·2	1	— 33
1423	Punta Dungeness . .	52 24	68 26	5	1012·8	1013·4	+ 9·9	283·7	287·8	27th	276·9	274·4	15th	280·3	*279·8*	0·0	..	+ ..
1424	Santa Cruz . . .	50 11	68 21	12	1013·6	1015·0	+ 7·5	289·2	296·4	29th	277·8	270·6	1st	283·5	283·1	+0·7	11	— 24
1424*a*	Año Nuevo . . .	54 39	64 8	50	1005·4	1011·6	+10·2	282·0	285·9	9th	276·1	274·5	22nd, 31st	279·1	*278·2*	+0·3	4	..
1425	Stanley, Falkland Is. .	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke . .	51 41	57 42	21·3	1013·5	1016·1	+11·7	280·7	286·3	29th	275·1	272·4	30th	277·9	278·2	—0·1	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	1005·8	1006·3	+ 5·7	279·1	283·7	28th	270·9	265·2	2nd	275·0	*275·4*	—0·3	16	— 57

OCTOBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	60 44 S.	44 39 W.	7	996·0	996·9	+ 3·6	273·8	278·0	7th	268·0	255·2	1st	270·9	271·1	+1·9	13	— 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—OCTOBER, 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	17½h.	9h. 17h.	7h. 21h.		9h.	8h. 20h.	9h.
1	SE	7·4	SE	NE 1 Calm 0	SW 1 W 1	..	SE 4	NE 2 Calm 0	SE 2
2	SE	7·4	SE	NE 1 ENE 2	SW 1 SSW 1	..	..	NE 2 Calm 0	SE 3
3	SE	7·2	SE	Calm 0 SW 1	NW 2 S 2	..	SE 4	E 2 NE 4	SE 3
4	SE	7·0	E	SW 1 SW 1	N 2 S 2	..	SE 2	Calm 0 Calm 0	SE 3
5	SE	6·4	SE	Calm 0 SW 1	NW 2 S 2	..	SE 2	Calm 0 Calm 0	NE 2
6	SE	6·1	SE	NE 1 SW 1	W 2 S 2	..	SE 2	Calm 0 Calm 0	NW 2
7	SE	11·3	SE	NE 1 SW 1	S 1 SW 1	..	SE 4	E 2 Calm 0	NW 2
8	SE	12·2	SE	Calm 0 SW 1	NE 1 W 2	..	SE 4	SE 3 SE 4	SW 2
9	SE	14·0	SE	Calm 0 SW 1	N 1 W 1	..	SE 4	SE 4 Calm 0	SW 2
10	SE	9·8	E	NE 1 SW 1	S 2 SW 2	..	..	E 2 Calm 0	SSE 2
11	SE	7·9	SE	Calm 0 WSW 1	N 1 NE 1	..	SE 2	Calm 0 Calm 0	NNE 2
12	SE	7·8	SE	NE 1 SW 1	N 2 N 2	..	..	E 3 Calm 0	SSW 2
13	SE	7·9	E	Calm 0 WSW 1	N 2 NE 1	..	SE 2	E 4 Calm 0	S 1
14	SE	7·9	SE	Calm 0 SW 1	S 1 SSE 1	..	..	Calm 0 Calm 0	N 1
15	SE	7·0	SE	W 1 Calm 0	E 1 S 1	..	SE 2	E 4 NE 2	S 1
16	SE	7·3	S	Calm 0 Calm 0	N 1 SE 1	..	ESE 6	NE 2 Calm 0	E 2
17	SE	6·6	Calm	NE 1 SW 1	NE 1 SSW 1	..	..	NE 2 SE 4	E 3
18	SE	8·1	Calm	NE 1 SW 1	N 1 SW 1	..	..	E 2 Calm 0	NE 2
19	SE	7·4	Calm	NE 1 SW 1	S 2 SW 2	..	Calm 0	NE 4 Calm 0	NE 2
20	E	9·0	Calm	Calm 0 SSW 1	SE 1 NW 2	..	SE 2	NE 2 E 4	NE 2
21	SE	9·6	Calm	Calm 0 SW 1	N 1 N 1	..	Calm 0	SE 2 Calm 0	NE 4
22	ESE	9·8	Calm	NE 1 Calm 0	W 2 SSW 1	..	Calm 0	E 4 Calm 0	NE 2
23	ESE	10·1	SE	Calm 0 SW 1	N 1 SW 2	..	SE 2	NE 2 E 2	SE 2
24	SE	9·6	SE	Calm 0 S 1	E 1 N 1	..	..	Calm 0 Calm 0	S 1
25	SE	4·9	SE	NE 1 SW 1	N 1 N 1	..	SE 4	Calm 0 Calm 0	SSE 1
26	SE	9·0	SE	Calm 0 SW 1	Calm 0 S 2	..	SE 6	NE 2 E 4	N 2
27	SE	9·8	SE	Calm 0 Calm 0	SE 1 S 2	..	SE 2	E 2 Calm 0	N 2
28	SE	12·4	SE	Calm 0 S 1	SE 1 S 1	..	SE 6	NE 4 E 2	SE 2
29	SE	12·2	SE	NE 2 SW 1	N 1 SW 1	..	Calm 0	SE 6 Calm 0	N 2
30	SE	8·9	E	NE 1 SW 1	E 1 SSW 1	..	SE 2	E 4 Calm 0	NE 2
31	SE	5·7	NE	ENE 1 SW 3	S 1 SW 2	..	..	NE 4 E 4	N 2
							ESE 4	E 4 Calm 0	
Mean ..	..	8·6	..	0·5 0·9	1·3 1·4	..	2·8	2·4 1·0	4·7
§Resultant	130° (97)	..	125° (73)	220° (18)	205° (16)	..	135° (81)	80° (47)	90° (28)
§Normal	145° (92)	8·7	‖131° (72)	261° (15)	245° (33)	85° (83)	136° (83)	‖ 115° (38)	100° (66)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 7608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1921.

‡‡ *Spitsbergen.*—Heavy ice reached to about 50 miles offshore from South Cape to Bell Sound. Later this belt became about 70 miles wide. The ice was packed towards the south but was sometimes open near Bell Sound. Brash was met with everywhere. From the 26th there was firm ice in most of the fjords.

‡‡ *Iceland* was free of ice as is usual in this month.

‡‡ *Greenland Sea and Denmark Strait.*—Gael Hamkes Bay was blocked with ice. Near Angmagsalik the ice in the fjords was passable for sledges from the middle of the month. A belt of "Storis" some 10 miles wide lay along the coast at Angmagsalik which is a very rare occurrence in October. Icebergs were observed both inside and outside the belt.

‡‡ *N. Atlantic and Labrador.*—Ten icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 4. Southward they reached to 46°N. and eastward to 46½°W. A few icebergs were observed in Belle Isle Strait and at Belle Isle, reaching to 50 miles east of the island.

‡‡ *Davis Strait and Baffin Bay.*—By the middle of the month the heavy "Storis" observed off Cape Farewell earlier, drifted northward to Arsuk forming a belt some 30 miles wide. Several icebergs were observed. From Arsuk to Upernivik the coast was free of ice. Hudson Strait was also ice free except for some icebergs, but there was much ice in Fox Channel and Frozen Strait. The Harbour in Repulse Bay became frozen over on the 22nd.

‡‡ *Isforholdene i de arktiske Have, 1921 and 1922*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE
FOR THE MONTH OF NOVEMBER 1921
BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **NOVEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	261·6	270·8	27th	255·4	249·1	30th	258·5	..	+3·2	0	— 9
123	Inglefield Bay . .	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik . . .	72 47	56 7	18·9	1006·0	1008·4	— 0·2	269·2	279·3	26th	263·4	254·0	17th	266·3	*266·5*	+3·6	22	— 5
135																		
139	Jan Mayen . . .	70 59	W 8 18	23·1	1014·0	1016·9	..	..	276·2	16th	268·9	262·4	8th	..	270·8	..	43	..
140	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1013·5	1015·0	+ 7·8	..	276·6	17th	259·8	249·4	3rd	..	262·5	+2·8	14	— 16
141	Björnöen. . . .	74 28	19 15	40·5	1009·9	1015·1	..	..	..	..	..	..	..	..	*268·7*	..	11	..
142	Gjesvaer	71 6	25 22	6·5	1014·7	1015·5	+10·4	..	279·2	11th	269·5	262·7	27th	..	*271·9*	+0·4	147	+ 76
143	Mehavn	71 1	27 47	6·4	1014·3	1015·1	+11·2	..	278·3	11th	268·8	262·1	28th	..	*271·0*	—0·3	100	+ 21
	Vardö	70 22	31 8	6·8	1013·6	1014·5	+ 8·3	..	277·0	21st	268·0	262·3	27th	..	*270·6*	—0·3	21	— 41
147	Malye Karmakouly . .	72 23	52 43	14·8	1007·9	1009·8	+ 5·4	..	274·7	3rd, 13th	265·2	251·6	27th	..	*267·8*	+5·9	43	+ 30
148	Waigatz	70 24	58 47	11·2	1009·2	1010·6	+ 0·6	271·0	274·8	3rd	265·1	252·3	29th	268·0	*268·4*	..	22	..
		N.	E.															

Between Latitude 70° N. and 60° N. **NOVEMBER—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1005·1	— 1·2	270·9	275·2	12th, 17th	266·3	254·1	30th	268·6	*268·7*	+4·8	22	— 1
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1014·2	+ 4·5	261·2	273·0	10th	255·6	247·4	30th	258·4	*258·9*	+3·5	2	— 16
206	Rampart	65 30	150 15	122	..	..	..	257·4	267·4	10th	252·2	244·7	30th	254·8	..	+0·2	1	— 13
207																		
208	Valdez	61 7	146 16	8·2	..	1011·2	+ 8·0	271·8	278·0	14th	265·3	259·1	27th	268·6	*268·4*	—1·5	42	— 62
209	Eagle	64 46	141 12	254	..	1019·6	+ 8·2	258·4	275·8	9th	251·8	234·1	30th	255·1	..	—1·8	2	— 11
210	Dawson	64 4	139 20	328	980·3	1025·1	+12·9	253·6	268·0	9th, 10th	246·9	236·3	20th	250·2	..	—5·6	10	— 20
211	Carcross	60 11	134 34	662	..	..	..	263·9	279·7	10th	255·3	241·3	21st	259·6	..	—5·1	6	— 16
212	Fort Good Hope . .	66 15	128 31	65·2	1012·8	1021·7	..	256·2	269·1	10th	246·9	231·3	30th	251·6	..	..	8	— 19
	Fort Simpson . .	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213																		
	Hay River . . .	60 51	115 57	161	997·3	1018·6	+ 4·7	261·4	271·9	1, 11, 12	255·4	244·1	24th	258·4	..	—0·3	37	+ 19
225																		
226	Jacobshavn . . .	69 13	51 2	12·6	1003·8	1005·4	— 1·4	270·9	280·9	27th	265·2	255·8	16th	268·1	*268·2*	+4·1	24	+ 7
227	Godthaab . . .	64 11	51 43	9·0	998·8	1000·0	— 3·1	273·0	281·4	25th	267·3	260·4	17th	270·1	*270·4*	+2·1	31	— 17
229	Tvigut	61 12	48 10	5·0	1000·0	1000·6	— 2·4	273·4	281·5	25th	267·6	260·8	16th	270·5	*270·5*	+0·6	74	— 38
	Angmagsalik . .	65 37	37 33	31·7	1001·9	1005·9	+ 2·8	272·9	278·2	27th	267·2	257·8	6th	270·1	*270·2*	+2·5	114	+ 28
231																		
232	Stykkisholm . . .	65 5	22 46	20	1003·6	1006·1	+ 1·8	276·7	282·0	27th	272·2	262·1	7th	274·5	*274·4*	+0·9	122	+ 58
233	Vestmanno . . .	63 24	20 17	132	990·4	1006·7	+ 4·9	278·0	281·1	19th	273·8	264·1	1st	275·9	*276·3*	+1·1	213	‡+ 78
233*a*	Grimsey	66 33	17 58	22·0	..	..	..	275·3	280·7	18th	271·4	262·2	1st	273·3	*273·6*	+0·6	..	..
234	Akureyri	65 40	18 4	35	..	1009·5	+ 4·5	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1010·6	1012·8	+ 8·6	276·2	280·2	15, 16, 30	271·2	261·3	3rd	273·7	*273·9*	0·0	276	+166
236	Thorshavn . . .	62 3	6 45	26·3	1011·4	1014·7	+ 8·9	279·6	284·5	23rd	275·2	267·8	7th	277·4	*277·7*	—0·2	123	— 41
	Lerwick	60 9	W 1 11	46·9	1010·9	1016·8	+ 9·9	280·2	283·0	23rd, 24th	277·3	271·3	7th, 8th	278·8	*278·9*	—0·1	72	— 36
237																		
238	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1014·6	1020·2	+ 9·3	277·7	284·0	1st	273·5	268·3	8th	275·6	*275·8*	—1·2	46	—132
239	Aalesund . . .	62 28	6 10	6·3	1018·9	1019·7	+11·9	..	287·6	24th	..	270·0	6th	..	*276·2*	—1·3	110	— 24
240	Trondhjem . . .	63 26	10 25	39·5	1015·9	1021·0	+11·2	274·2	282·7	24th	268·9	260·6	7th	271·5	*271·7*	—1·9	47	— 29
241	Bodö	67 17	14 24	22·4	1016·2	1019·0	+12·0	..	281·0	11th	271·0	266·2	9th	..	*273·2*	—0·6	92	— 34
242	Haparanda . . .	65 50	24 9	9·2	1019·4	1020·6	+10·6	266·5	276·0	11th	260·0	245·0	7th	263·3	*263·6*	—4·4	42	— 5
242*a*	Helsingfors . . .	60 10	24 57	11·7	1020·4	1022·0	+ 8·0	272·1	280·7	1st	267·3	258·8	29th	269·7	*269·8*	—3·6	31	— 31
	Kuopio	62 54	27 40	90·3	1009·9	1021·6	+ 8·4	268·4	277·2	1st	263·0	255·7	23rd	265·7	*265·9*	—4·5	21	— 27
243																		
244	Kola	68 53	33 1	6·7	1015·8	1016·7	+ 9·1	268·7	276·5	11th	261·5	250·5	10th	265·1	*265·6*	—0·9	54	+ 29
245	Petrozavodsk . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk . .	64 34	40 31	6·3	1017·9	1018·7	+ 7·5	269·1	275·4	3rd	262·8	252·5	20th	266·0	*266·2*	—1·1	34	+ 3
247	Mezen	65 50	44 16	14·9	1014·8	1016·7	+ 7·5	269·1	273·6	12th	264·0	256·0	29th	266·6	*266·8*	+1·7	10	— 6
248	Oust-Tsylma . .	65 25	52 18	? 68	1006·7	1015·5	+ 2·4	268·8	275·9	3rd	263·1	249·8	29th	266·0	*266·9*	+2·9	19	..
	Tcherdyn . . .	60 24	56 31	? 177	997·6	1020·6	+ 3·2	267·8	274·8	9th	261·1	252·3	30th	264·4	*265·2*	+2·3	44	0
249																		
250	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1010·6	1015·8	— 2·4	..	275·8	9th	257·7	241·0	20th	..	*262·5*	+3·9	46	+ 25
253																		
254	Doudinka	69 23	86 4	? 20	1013·0	1015·6	— 0·5	..	271·9	5th	255·2	241·6	17th	..	*257·8*	+7·2	4	— 6
	Touroukhansk . .	65 47	87 57	45	1014·2	1020·3	+ 3·6	..	273·0	10th	252·5	233·9	14th	..	*256·1*	+4·0	23	+ 3
261																		
262	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	235·2	..	..	*251·9*	+4·9	10	— 3
263	Iakoutsk	62 1	129 43	? 108	1006·7	1021·5	— 1·7	..	265·2	10th	248·6	230·9	28th	..	*252·0*	+7·8	5	— 6
	Verkholansk . .	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ See "Remarks" page 105.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	992·9	−10·3	277·1	278·6	2, 7, 17	274·2	268·6	28th	275·7	..	+2·3	91	
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	994·9	− 7·0	279·2	283·6	10th	274·2	269·1	29th	276·7	..	+2·0	69	
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	274·8	279·1	7th, 8th	269·3	254·7	30th	272·0	..	+3·3	64	
306	Kodiak (Radio)	57 46	152 22	6·1	..	1006·1	+ 5·8	278·3	281·9	21st	273·7	269·7	2nd	276·0	..	+1·4	..	
309	Sitka	57 3	135 19	27·4	..	1010·1	+ 4·5	280·1	285·2	5th, 8th	271·8	264·7	21st	275·9	*275·2*	−0·8	178	
310	Prince Rupert	54 18	130 18	51·8	1004·4	1010·8	+ 1·9	279·7	286·9	3rd	273·6	263·0	21st	276·6	*276·7*	−1·3	264	
311	Barkerville	53 2	121 35	1274	863·4	1013·5	− 0·9	273·6	283·0	3, 4, 5	263·6	245·2	19th	268·6	*268·1*	+0·3	82	
312	Kamloops	50 42	120 29	385	973·8	1021·7	+ 1·4	276·3	289·1	11th	269·7	253·0	19th	273·0	*273·1*	−2·1	45	
313	Calgary	51 2	114 2	1045	892·3	1018·8	+ 1·8	271·9	292·4	3rd	260·8	240·8	21st	266·3	*266·5*	−3·6	33	
314	Fort Chipewyan	58 42	111 10	218	989·1	1018·3	+ 3·0	262·9	274·7	1st	255·4	240·8	19th	259·2	*259·4*	−2·4	29	
315	Prince Albert	53 10	105 38	442	962·6	1019·3	+ 3·7	266·9	284·1	3rd	250·1	243·0	22nd	263·0	*262·9*	−2·5	48	
316	Qu'Appelle	50 30	103 47	645	938·0	1019·1	+ 3·5	268·6	286·3	3rd	260·2	240·8	19th	264·4	*264·3*	−2·9	42	
317	Minnedosa	50 15	99 50	515	954·8	1020·4	+ 2·8	267·4	284·1	3rd	259·7	242·4	19th	263·6	*263·3*	−3·7	25	
318	Berens River	52 18	97 23	216	..	..	..	267·9	285·2	2nd	260·1	245·2	25th	264·0	..	−2·4	33	
318*a*	Port Nelson	57 4	92 36	14·9	1018·9	1020·9	+ 6·5	261·3	272·4	1st	253·6	239·1	21st	257·4	..	−4·5	26	
319	Fort Hope	51 33	87 49	‡260	984·1	1018·9	..	266·1	276·9	1st	257·6	243·0	20th	261·9	*‡261·7*	−4·0	53	
320	Moose Factory	51 14	80 30	9·1	1016·7	1017·9	+ 3·0	270·8	278·6	1st	260·2	246·9	26th	265·5	..	−2·7	20	
321	Fort George	53 50	79 5	97·5	..	..	..	269·3	276·3	4th	263·3	254·1	23rd	266·3	..	..	..	
322	Mistassini Post	50 15	73 55	383	..	..	..	269·3	282·0	1st	260·4	249·4	22nd	264·9	..	−1·7	48	
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	274·0	279·1	24th, 27th	265·3	252·2	29th	269·7	..	−0·4	25	
326	Belle Isle	51 53	55 23	133	992·3	1009·2	+ 1·3	271·1	275·8	1st	265·9	256·3	23rd	268·5	*268·4*	−2·0	..	
										Sea Temp.								
333	53°—48° N. 20°—15° W.	††50 8	††17 30	§(40-41)	..	1012·6	..	..	..	287·2 +1·5	..	..	..	..	287·2	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1011·8	1013·5	+ 0·9	285·3	288·6	1st	280·9	271·9	8th	283·1	283·4	+1·7	193	
335	Aberdeen	57 10	W 2 6	26·8	1014·3	1017·6	+ 8·0	280·0	283·6	4th	275·8	271·3	22nd	277·9	278·0	−0·9	39	
336	Greenwich	51 28	0 0	46·3	1013·1	1018·9	+ 4·5	280·4	287·4	4th	274·4	269·1	13th	277·4	277·2	−2·4	50	
337	Uccle	50 48	E 4 22	100	1007·2	1019·8	+ 4·9	279·9	286·4	4th	271·8	262·0	30th	275·8	274·8	−2·9	81	
338	De Bilt	52 6	5 11	3·0	1018·9	1019·3	+ 4·7	278·6	286·7	1st, 2nd	271·7	258·6	30th	275·1	274·3	−3·4	33	
338*a*	Hamburg	53 33	9 58	40·3	1015·1	1020·2	+ 5·4	276·0	284·7	1st	272·3	264·5	29th	274·1	*273·9*	−3·5	68	
339	Copenhagen	55 41	12 36	5·0	1020·6	1021·2	+ 7·9	276·8	284·3	1st	273·6	269·1	27th	275·2	*275·4*	−2·3	42	
340	Potsdam	52 23	13 4	84·9	1010·4	1021·2	+ 5·7	275·6	283·4	5th	270·3	261·9	30th	272·9	272·6	−3·9	35	
340*a*	Upsala	59 51	17 38	24	1018·8	1021·8	+ 9·1	273·3	282·5	1st	267·5	257·2	9th	270·4	270·8	−2·1	21	
341	Warsaw	52 13	21 1	133	1005·9	1022·8	+ 5·7	274·2	283·6	1st	269·2	261·0	23rd	271·7	271·6	−3·2	39	
342	Dorpat (Jurjev)	58 23	26 43	74·5	1013·1	1022·7	+ 9·7	270·6	281·8	1st	266·0	256·3	11th	268·3	268·4	−4·0	30	
343	Petrograd	59 56	30 16	4·8	1022·0	1022·6	+ 8·4	269·7	279·5	1st	264·4	257·5	30th	267·0	*267·3*	−4·3	34	
344	Kiev	50 27	30 30	183	1002·6	1025·9	+ 6·9	272·4	283·5	7th	266·8	256·6	23rd, 25th	269·6	*269·5*	−4·5	100	
344*a*	Moscow	55 50	37 33	167	1005·2	1026·8	+ 9·2	270·1	278·0	8th	265·4	253·4	29th	267·8	*267·7*	−2·9	14	
345	Saratov	51 33	45 57	? 122	1013·8	1029·7	+ 7·8	271·2	281·0	8th	266·0	257·8	30th	268·6	*268·5*	−2·9	13	
346	Kazan	55 47	49 8	79·9	1017·1	1027·5	+ 8·1	269·7	277·3	8th, 9th	264·8	253·4	30th	267·2	*267·4*	−1·7	33	
347	Orenburg	51 45	55 6	109	1014·7	1028·8	+ 5·3	271·4	279·1	8th	265·6	250·0	30th	268·5	*268·6*	−0·1	10	
348	Perm	58 1	56 16	163	1003·5	1024·6	+ 5·8	268·6	275·8	9th	263·9	253·4	30th	266·2	*266·5*	+0·3	33	
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	987·4	1023·5	+ 2·9	268·9	279·6	9th	263·7	251·8	30th	266·3	*266·3*	+0·7	9	
350	Tobolsk	58 12	68 14	108	1007·4	1021·5	+ 3·3	268·7	278·2	9th	261·9	250·5	30th	265·3	*265·3*	+2·3	31	
351	Akmolinsk	51 12	71 23	? 347	..	..	..	..	..	..	..	..	..	..	..	..	..	
352	Omsk	55 13	73 22	? 108	..	..	..	..	..	..	..	..	..	..	..	..	..	
353	Barnaoul	53 20	83 48	162	1007·4	1028·6	+ 0·4	270·1	286·3	2nd	260·9	240·1	19th	265·5	*265·3*	+0·8	36	
354	Tomsk	56 30	84 58	122	1006·0	1022·0	− 2·3	..	282·4	2nd	259·8	240·5	18th	..	*263·8*	+2·0	33	
355	Minousinsk	53 43	91 41	249	997·4	1029·8	+ 0·9	..	280·3	3rd	260·4	245·1	20th	..	*264·4*	..	3	
356	Eniseisk	58 27	92 10	77·6	1014·8	1025·1	+ 1·2	..	278·6	2nd	258·4	242·2	20th	..	*262·2*	+1·9	18	
357	Irkutsk	52 16	104 19	467	970·3	1031·1	+ 2·5	266·3	280·5	7th	256·1	238·9	21st	261·2	*261·2*	−1·1	19	
358	Kirensk	57 47	108 7	263	993·4	1028·7	+ 3·2	..	274·6	3rd	251·7	235·1	22nd	..	*256·2*	−2·0	15	
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	
361	Tygan Ourkan	54 5	124 46	379	971·4	1021·1	..	263·5	275·4	8th	253·3	240·3	26th	258·4	*258·3*	..	3	
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	999·0	1017·6	− 2·7	265·9	280·0	9th	257·3	246·0	26th	261·6	*261·4*	+0·2	13	
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	993·6	1004·7	− 0·7	..	272·8	19th	264·1	260·9	4th, 26th	..	*267·4*	−3·2	5	
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1006·1	1014·8	− 0·7	281·3	287·4	4th	277·4	268·6	21st	279·4	279·1	−0·2	155	
412	Portland, Oregon	45 32	122 41	46·6	1011·8	1017·3	− 1·3	285·5	293·0	5th	279·1	271·3	20th	282·3	*281·9*	+1·3	255	
413	Macleod	49 44	113 24	953	..	..	..	273·9	293·0	5th	264·1	238·6	19th	269·0	*268·9*	−3·4	23	
414	Helena	46 34	112 4	1253	872·8	1018·3	− 1·7	277·8	289·7	3rd	267·3	248·0	19th	272·6	*272·6*	−0·4	42	
414*a*	Salt Lake City	40 46	111 54	1329	869·8	1018·9	− 1·3	285·6	292·4	3rd	275·9	267·4	18th	280·7	*280·9*	+3·3	26	
415	Cheyenne	41 8	104 48	1856	811·8	1016·2	− 2·6	283·0	292·4	4th	270·3	262·4	18th	276·7	*277·7*	+3·1	9	
416	North Platte	41 8	100 45	859	918·2	1020·0	+ 0·9	283·8	297·4	3rd	268·8	258·6	22nd	276·3	*275·4*	+0·7	1	
416*a*	Bismarck	46 47	100 38	511	957·9	1021·0	+ 2·3	272·1	291·9	3rd	263·5	248·6	19th	267·8	*268·7*	−1·0	21	
417	Winnipeg	49 53	97 7	232	990·3	1020·3	+ 3·6	269·1	280·8	3rd	261·9	247·4	19, 21, 22	265·5	*265·1*	−1·3	22	
418	Duluth	46 47	92 6	345	976·3	1019·3	+ 2·2	271·5	281·9	4th	264·7	249·1	20th	268·1	*268·0*	−4·2	18	
419	Port Arthur	48 27	89 12	196	994·4	1019·5	+ 3·3	271·3	281·9	1st	264·1	249·7	20th	267·7	*267·6*	−2·2	30	
420	Chicago	41 53	87 37	251	987·3	1017·9	0·0	280·7	291·3	17th	275·0	267·4	12th	277·9	*278·0*	+0·6	89	
421	Toronto	43 40	79 24	116	1003·4	1018·0	+ 1·2	278·0	289·1	19th	271·9	267·4	13th, 23rd	274·9	275·1	−0·5	37	
422	New York (Central Park)	40 47	73 58	47·4	1012·1	1018·0	− 1·9	283·4	295·8	18th	276·7	271·9	13th	280·1	279·8	+0·1	97	
423	St. John, N.B.	45 17	66 4	36·2	1011·8	1016·4	+ 2·5	275·8	285·2	1st	269·7	261·3	27th	272·7	273·1	−2·9	172	
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·5	1014·7	+ 3·5	272·4	279·4	1st	267·4	258·6	23rd	269·9	*270·2*	−2·3	56	
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1013·5	1014·4	0·0	287·2	291·9	11th	269·7	265·2	25, 26, 30	278·4	*277·9*	−1·5	145	
425	Port aux Basques	47 35	59 10	9·1	1011·8	1013·0	+ 0·8	275·2	280·2	1st	270·8	263·6	23rd	273·0	*272·9*	−1·9	132	
426	St. John's, Newfoundland	47 34	52 42	38·1	1002·4	1007·2	− 3·9	276·3	287·4	3rd	270·8	262·4	29th	273·6	*273·6*	−2·5	189	
										Sea Temp.								
430	50°—45°N. 35°—30°W..	††48 4	††32 17	§(23)	..	1017·1	..	..	..	286·7—0·6	..	..	..	..	285·1	..	..	..
435	Madrid	40 24	3 41	667	940·3	1019·2	+ 0·4	284·7	290·7	6th	276·7	269·2	11th	280·7	*280·3*	−0·7	37	
436	Nantes	47 15	W 1 34	36·5	1012·8	1017·3	+ 1·3	283·7	291·2	2nd	275·8	265·2	12th	279·8	279·5	−1·0	47	
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·2	1019·5	+ 3·1	279·9	289·0	3rd	272·1	263·8	28th	276·0	275·7	−3·1	31	
438	Marseille	43 18	5 23	75	..	1015·4	+ 0·6	287·5	293·8	5th	279·0	271·2	11th	283·3	282·8	−0·1	10	
438*a*	Zürich	47 23	8 33	493	960·9	1021·5	+ 2·5	276·2	286·2	6th	272·1	267·4	13th	274·2	273·8	−2·8	61	
439	Rome	41 54	12 27	45·5	1008·7	1014·0	− 2·1	288·2	292·6	5th	280·7	275·8	26th	284·5	*284·4*	−0·2	60	
440	Vienna	48 15	16 22	203	996·4	1021·8	+ 3·6	276·6	288·3	5th	272·6	264·6	30th	274·6	274·6	−1·9	37	
440*a*	Budapest	47 31	19 2	130	1005·2	1021·6	+ 2·7	277·9	286·0	6th	273·8	265·9	28th	275·9	*275·5*	−1·5	65	
441	Sofia	42 42	23 20	550	954·2	1020·7	+ 2·2	281·1	292·4	7th	273·7	264·5	26th, 27th	277·4	*277·0*	−0·5	72	
442	Bucharest	44 25	26 6	82	1012·3	1022·6	+ 3·0	279·7	294·0	7th	272·8	264·9	28th	275·3	276·0	−1·3	68	
443	Odessa (University)	46 29	30 46	65·3	1015·9	1024·2	+ 3·9	..	288·3	7th	272·6	262·8	26th	..	*275·4*	−2·3	83	
444	Kharkov (University)	50 0	36 14	140	1009·5	1027·4	+ 6·2	272·9	285·2	8th	267·8	257·0	30th	270·4	*270·3*	−3·1	23	
444*a*	Novorossiisk	44 44	37 49	37·1	1017·1	1021·7	+ 1·8	283·4	294·4	12th	276·8	266·0	24th	280·1	*279·6*	−1·9	37	
445	Tiflis	41 43	44 48	404	976·4	1025·6	+ 2·5	282·7	290·7	8th	275·3	272·3	30th	279·0	278·7	−1·8	123	
446	Astrakhan	46 21	48 2	— 20	1029·6	1027·1	+ 3·6	276·9	285·5	4th	269·4	261·0	21st, 23rd	273·2	*272·9*	−2·9	13	
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1029·8	1026·9	+ 3·7	280·1	289·7	10th	274·7	267·5	18th	277·4	*277·1*	−1·0	6	
448	Krasnovodsk	40 0	52 59	— 5·9	1024·2	1023·5	+ 0·8	285·8	294·2	1st	..	271·3	19th	..	*282·8*	−0·8	3	
449	Kasalinsk	45 46	62 7	67	1020·4	1029·0	+ 4·3	278·8	296·8	3rd	269·3	257·8	19th	274·0	*273·5*	+1·6	1	
450	Tachkent	41 20	69 18	478	968·0	1025·8	− 0·1	286·1	301·8	4th	274·8	265·5	26th	280·5	*279·7*	+0·1	39	
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	280·1	294·5	2nd	269·0	255·9	20th	274·5	*274·2*	..	34	
461	Moukden	41 48	123 23	43·8	1017·7	1023·3	− 1·5	276·7	288·8	13th	265·7	253·3	25th	271·2	270·7	−0·7	13	
462	Joshin	40 40	129 11	31·9	1014·2	1018·2	− 2·3	280·4	288·0	13th	271·6	264·0	22nd	276·0	275·8	−3·0	66	
463	Yuki	42 20	130 24	65·6	1009·2	1017·5	− 3·7	276·7	283·5	13th, 16th	269·0	261·8	26th	272·9	272·6	−1·0	8	
464	Vladivostok	43 7	131 55	128	1001·1	1017·4	− 3·3	273·7	280·7	16th	267·5	259·7	22nd, 26th	270·6	270·2	−2·0	57	
465	Ochiai	47 20	142 47	27·4	‡1006·8	‡1010·3	− 3·1	272·5	280·7	8th	263·7	255·6	28th	268·1	268·7	−2·1	41	
466	Nemuro	43 20	145 35	26·7	1005·7	1009·0	− 5·7	279·4	286·3	8th	272·7	266·4	23rd	276·1	276·3	−1·1	90	
466*a*	Syana	45 14	147 53	39·3	1002·2	1007·1	− 6·3	277·3	283·3	11th	271·5	266·7	27th	274·4	274·6	−1·3	184	
		N.	E.															

Between Latitude 40° N. and 30° N.

NOVEMBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1013·9	1019·6	+ 0·6	290·8	299·1	4th	283·8	280·2	19th	287·3	*286·5*	+0·4	36	
512	San Luis Obispo	35 18	120 39	61·3	1011·7	1019·3	+ 0·9	295·5	306·3	4th	280·3	274·1	21st	287·9	*286·5*	+0·1	4	
513	San Diego	32 43	117 10	26·5	1014·2	1017·3	+ 1·0	293·3	306·9	3rd	284·3	280·2	22nd	288·8	*288·9*	+0·9	8	
514	Modena	37 48	113 54	1670	835·5	1018·9	− 0·1	287·7	294·1	4th	269·1	259·7	18th	278·4	*276·9*	+1·5	5	
515	Santa Fé	35 41	105 57	2138	788·4	1018·3	+ 0·5	285·6	291·3	6th	272·6	263·0	19th	279·1	*278·1*	+1·7	0	
516	Denver	39 45	105 0	1613	837·1	1016·9	− 1·2	286·5	295·2	3rd	272·5	262·4	19th	279·5	*280·0*	+3·1	14	
517	Abilene	32 23	99 40	530	956·2	1017·9	− 0·8	295·4	302·4	15th	278·8	269·1	19th	287·1	*286·0*	+1·6	0	
518	Saint Louis	38 38	90 12	173	996·9	1017·9	− 1·5	286·1	295·8	17th	276·9	270·8	12th	281·5	*281·4*	+2·1	113	
519	Mobile	30 41	88 2	17·4	1017·4	1019·3	− 0·5	295·3	300·8	25th	285·5	277·4	11th	290·4	*289·9*	+2·7	96	
520	Nashville	36 10	86 47	166	999·3	1019·3	− 1·2	289·8	297·4	18th	278·8	270·2	12th	284·3	*284·5*	+2·2	144	
521	Charleston	32 47	79 56	14·6	1017·5	1019·3	− 0·9	294·1	299·7	17th	285·2	277·4	13th	289·7	*289·5*	+2·0	46	
523	Washington	38 54	77 3	34·1	1014·0	1018·3	− 1·2	286·0	299·7	18th	277·2	271·3	16th	281·6	*282·1*	+1·9	105	
524	Bermuda	32 17	64 46	46·0	1014·8	1020·2	+ 2·7	297·4	299·7	10th	291·9	289·1	7th	294·7	*294·5*	+1·1	159	
530	Santa Cruz (Flores)	39 27	31 9	28	1015·5	1020·0	− 0·1	292·0	294·9	10th	287·6	281·1	20th	289·8	*290·0*	−0·1	144	
531	Horta	38 32	28 38	65	1012·7	1019·9	− 0·3	291·2	295·5	3rd, 4th	286·9	282·0	20th	289·1	289·4	−0·7	126	
532	Ponta Delgada	37 44	25 40	22	1017·1	1018·9	− 0·8	290·7	293·8	3rd	287·2	283·6	20th	289·0	289·3	−0·4	..	
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	115	
533	Madeira (Funchal)	32 37	16 54	25	‡1017·2	‡1020·2	+ 1·3	293·8	298·1	1st	288·5	286·4	29th	291·1	*291·2*	+0·2	118	
534	Lisbon	38 43	9 9	95	1004·9	1016·3	− 1·6	290·4	295·2	2nd	284·8	281·0	29th	287·6	*287·5*	+0·9	143	
535	Melilla	35 18	2 59	8	1016·3	1017·2	− 1·1	294·3	297·6	5th	285·2	281·0	30th	289·8	*291·6*	−0·4	88	
535*a*	Gibraltar	36 6	5 21	16·2	1015·0	1016·9	− 1·2	292·4	296·9	4th	285·7	281·9	28th, 29th	289·1	*288·9*	+0·3	133	
536	Colomb-Béchar	31 6	4 6	786	926·6	1016·1	..	..	..	..	..	..	..	..	..	..	53	
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·0	1015·8	— 0·8	289·7	294·4	1, 2, 3	282·2	275·4	11th	286·0	.	—2·0	67	+ 12
538	Algiers (Bouzaréah)	36 48	3 2	342	975·4	1014·8	— 2·2	288·9	294·0	4th	284·1	277·0	9th	286·5	286·3	—0·5	144	+ 39
539	Tunis	36 48	10 10	21	1011·6	1014·1	..	292·7	298·2	13th	284·7	278·0	9th	288·7	*288·7*	+0·8	21	— 32
539*a*	Malta	35 54	14 31	56·4	..	1014·9	— 1·0	291·7	296·3	5th, 6th	287·8	281·6	10th	289·8	*289·0*	—0·9	98	+ 59
540	Riposto	37 41	15 14	14·2	..	1016·2	— 0·8	291·1	293·9	7th	285·4	282·4	25th	288·3	*287·7*	—0·9	78	+ 39
541	Athens	37 58	23 43	107	1004·1	1017·0	+ 0·1	289·5	294·6	7th	283·4	277·4	24th	286·5	286·3	—0·7	107	+ 12
542	Alexandria	31 12	29 53	32·0	1014·2	1017·9	+ 0·6	298·2	304·6	10th	288·9	285·0	26th	293·5	*293·3*	+0·5	23	.
543φ	Nicosia (P.W.D.)	35 9	33 22	159	998·7	1017·4	+ 0·9	293·7	298·6	11th	282·9	278·0	1st	288·3	..	—0·6	112	+ 68
544	Beirut	33 54	35 28	33·7	..	1017·4	+ 0·3	295·2	298·9	11th	289·5	284·3	27th	292·4	*292·3*	+0·2	54	— 83
545	Baghdad	33 21	44 28	38·1	1014·2	1018·8	+ 0·1	296·4	304·1	1st	284·8	280·6	17th	290·6	*290·3*	+0·4	85	+ 68
546	Lenkoran	38 46	48 51	— 20·0	1026·8	1024·4	+ 2·6	..	289·6	12th	279·8	275·4	30th	..	*282·2*	—1·8	215	.
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	.
548	Meshed	36 16	59 35	946	..	..	..	288·8	299·3	2, 3, 4	274·5	267·2	19th	281·7	..	—0·6	11	.
549	Seistan	31 0	61 30	?	..	..	..	296·2	304·1	7th	280·5	274·0	20th	288·3	..	..	6	.
550	Quetta	30 11	67 3	1677	837·8	..	+ 0·2	291·1	296·1	7th	274·6	271·9	18, 19, 25	282·9	*282·6*	+0·2	14	.
551	Peshawar	34 2	71 37	339	980·5	1020·8	+ 1·8	297·8	301·6	2nd	281·7	278·6	25th	289·8	*288·7*	+0·3	7	.
551*a*	Lahore	31 34	74 20	214	992·9	1018·4	+ 1·4	300·7	303·3	1st	283·8	280·2	22nd	292·2	*291·1*	+0·7	0	.
552	Simla	31 7	77 8	2205	785·1	..	+ 1·4	285·7	289·1	23rd	280·2	278·8	20th	282·9	*282·6*	—0·4	0	.
552*a*	Leh	34 10	77 42	3503	670·4	..	+ 1·1	280·8	283·4	14th	266·2	264·1	21st	273·5	*272·4*	—0·8	2	.
559	Hankow	30 35	114 17	37·0	1021·5	1026·0	+ 0·4	290·5	299·0	16th	281·3	277·0	23rd	285·9	*285·7*	+0·9	13	.
560	Tientsin	39 10	117 10	5·0	1025·0	1025·6	— 0·3	283·2	292·9	13th	272·4	265·7	25th	277·8	*277·7*	0·0	1	.
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1024·5	+ 0·8	290·9	296·8	15th	279·1	272·5	9th	285·0	283·9	—0·2	26	.
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1014·6	1023·1	+ 0·4	281·7	289·2	15th	273·6	264·8	26th	277·7	277·4	—1·9	24	.
562*a*	Nagasaki	32 44	129 52	133	1005·7	1021·8	+ 1·0	288·2	293·4	17th	280·2	274·5	22nd, 23rd	284·2	284·1	—1·7	70	.
563	Kyoto	35 1	135 44	42·9	1014·5	1019·8	+ 0·8	287·7	293·7	15th	275·7	271·0	24th	281·7	280·7	—1·6	33	.
564	Tokyo	35 41	139 45	21·3	1013·2	1015·8	— 2·5	289·0	292·7	8th	276·7	271·4	25th	282·9	282·3	—1·1	5	.
565	Kanayama	37 53	140 46	24·6	1012·1	1015·1	— 3·2	285·2	292·1	17th	274·3	269·3	28th	279·7	279·4	—1·3	32	.
566	Miyako	39 38 N.	141 59 E.	30·4	1009·4	1013·2	— 3·5	285·6	292·0	8th	273·8	267·1	27th	279·7	278·7	—1·4	19	.

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·3	— 0·6	299·6	301·9	21st	291·6	288·0	16th	295·6	*295·1*	..	41	.
605	Honolulu	21 19	157 52	11·6	1015·0	1016·3	— 0·4	298·9	300·2	..	294·3	292·4	..	296·6	*296·3*	0·0	9	— 90
614	La Paz	24 10	110 20	12	1011·8	1013·2	..	304·3	308·2	1st	289·5	283·2	23rd	296·9	..	..	0	.
615	Chihuahua	28 38	106 4	1423	862·1	1019·1	..	293·2	298·0	13th	277·8	269·7	19th	285·5	*285·5*	..	1	.
616	Leon	21 7	101 41	1809	820·6	1011·0	— 1·5	295·8	298·6	19th	282·9	280·4	1st	289·4	*289·5*	+0·5	5	.
616*a*	Monterry	25 40	100 18	528	956·5	1016·6	..	298·5	307·7	14th	287·2	281·5	20th	292·8	*292·8*	..	0	.
617	Tulancingo	20 5	98 22	2180	794·1	..	..	291·7	295·0	..	280·1	276·0	..	285·9	286·2	+0·2	32	— 53
618	Galveston	29 18	94 50	16·5	1017·4	1019·3	0·0	295·8	299·7	14th	289·8	282·4	20th	292·8	*292·8*	+2·6	41	+ 11
618*a*	New Orleans	29 57	90 4	16·2	..	1019·3	— 0·2	296·5	303·0	15th	287·9	283·0	10th	292·2	*291·5*	+2·6	97	.
619	Merida, Yuc.	20 58	89 38	22	1014·5	1017·0	..	301·5	303·4	20th	293·7	290·0	30th	297·6	*297·1*	..	20	— 66
620	Havana	23 8	82 21	24·3	..	1017·5	+ 1·5	301·8	304·4	9th	294·7	289·4	30th	298·3	*297·9*	+1·3	10	+ 11
620*a*	Key West	24 33	81 48	6·7	1016·9	1017·6	+ 0·7	300·0	301·9	9th	295·0	286·9	30th	297·5	*297·2*	+0·7	68	+ 62
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	299·7	..	..	293·6	..	..	296·7	*296·6*	—0·7	134	.
622	Watling Island	24 6	74 26	33·5	?1012·9	?1016·8	+ 1·7	..	..	..	..	..	..	..	*299·3*	..	..	.
633	Izaña	28 19	16 30	2367	766·0	..	..	280·9	286·9	10th	273·6	271·2	3 days	277·3	*277·2*	—1·9	322	+ 140
634	La Laguna	28 28	W16 20	547	954·1	1017·4	— 0·1	292·1	296·3	2nd, 11th	285·6	280·1	20th	288·9	*288·4*	+0·3	229	.
641	Siwa	29 12	E 25 29	— 23	1019·9	1017·1	..	298·0	302·4	9th	..	..	..	..	..	..	1	.
642																		
643	Cairo (Helwan)	29 52	31 20	116	1003·9	1017·5	+ 0·6	297·6	302·1	11th	286·6	282·4	26th	292·1	*291·8*	—0·5	0	.
643*a*	Aswan	24 2	32 53	99·6	1003·6	1015·2	+ 0·9	303·0	310·1	12th	288·3	284·0	28th	295·6	*294·7*	—0·4	..	.
644	Tor	28 14	33 37	1·9	1015·5	1015·6	+ 0·6	298·1	301·5	1st	285·9	282·0	30th	292·0	*?292·0*	—0·8	0	.
647	Bushire	28 59	50 53	4·3	1017·0	1017·6	+ 1·1	297·8	306·4	3rd	290·3	286·3	21st	294·1	*293·8*	—0·1	182	+ 144
648	Jask	25 44	57 47	4·0	1016·7	1017·1	+ 0·5	301·6	306·2	1st	289·7	285·5	18th	295·7	*295·4*	—1·9	73	+ 67
649	Karachi	24 53	66 57	4·0	1016·9	1017·3	+ 1·3	303·1	306·4	3rd	293·1	290·7	28th	298·1	*297·8*	+0·9	0	.
650	Jacobabad	28 17	68 29	56·7	1011·0	1017·7	+ 1·5	301·7	305·8	6th	286·2	283·0	25th, 27th	293·9	*293·2*	0·0	1	.
651	Jaipur	26 56	75 52	436	968·8	1019·1	+ 1·7	303·0	306·2	1st	285·5	282·1	30th	294·3	*293·3*	—0·2	0	.
652	Nagpur	21 8	79 5	310	982·6	1018·4	+ 2·2	302·8	303·9	4 days	286·3	284·4	26th, 30th	294·6	*294·3*	—0·9	0	.
653	Allahabad	25 25	81 51	94·1	1007·6	1018·3	+ 2·6	301·7	304·1	4th	284·0	281·2	23rd	292·9	*292·0*	—0·9	0	.
653*a*	Darjeeling	27 3	88 18	2266	780·0	..	+ 1·0	..	..	..	279·0	277·8	26th	..	‡*281·3*	..	0	.
654	Calcutta	22 36	88 23	6·4	1015·8	1016·5	+ 1·5	301·2	303·1	9th	290·2	287·2	19th	295·7	*295·3*	—0·1	0	.
655	Gauhati	26 8	91 41	59·7	1010·9	1018·0	+ 1·4	300·6	302·2	5th, 8th	288·7	286·3	30th	294·7	*294·0*	—0·1	14	.
655*m*	Cherrapunji	25 15	91 42	1314	872·4	..	+ 1·1	292·6	294·8	28th	286·2	283·2	28th	289·4	*288·8*	+0·4	0	.
655*a*	Akyab	20 11	92 56	6·1	1013·9	1014·5	+ 0·9	300·8	302·6	3rd	293·2	290·4	29th	297·0	*296·6*	—1·6	62	+ 13
656	Mandalay	21 59	96 0	76·2	1007·4	1016·2	+ 1·5	302·8	306·1	3rd	292·1	286·7	29th	297·4	*296·8*	—0·9	60	+ 45
656*a*	Tengyueh	25 2	98 33	1625	838·1	1014·3	+ 1·9	292·2	296·3	3rd, 4th	279·4	275·8	16th	285·8	*285·0*	—0·3	45	.
657	Phu Lien	20 48	106 38	116	1004·5	1018·1	+ 0·8	299·8	303·1	18th	291·1	287·8	26th	295·5	294·6	+0·5	1	.
658	Moncay	21 31	107 51	9	1017·1	1018·1	+ 0·3	299·2	302·2	7th	288·7	284·1	14th	294·0	*295·4*	0·0	0	.
659	Hongkong	22 18	114 10	33·2	..	1017·6	0·0	297·2	300·7	21st	291·7	288·2	27th	294·5	294·0	+0·3	6	+ 11
660	Amoy	24 27	118 4	ca.3	1017·8	1018·2	0·0	295·9	299·1	2, 3, 14	290·9	285·8	27th	293·4	*293·0*	—0·4	47	.
661	Taihoku, Formosa	25 2	121 31	9·3	1018·6	1019·7	+ 1·1	296·2	303·4	21st	289·2	283·9	16th	292·7	292·3	—0·4	70	+ 21
661*a*	Basco	20 28	121 59	18·7	1010·0	1012·3	— 0·4	298·9	302·1	13th	294·6	?288·4	12th	296·7	*297·3*	—0·3	572	+ 521
662	Naha	26 13	127 41	10·5	1018·3	1019·5	+ 2·0	296·4	300·4	17th	289·8	286·7	10th	293·1	292·6	—1·3	59	.
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1017·1	1017·6	+ 1·5	297·2	299·8	3rd, 21st	291·2	285·4	11th	294·2	294·1	—1·8	78	.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110. φ For Cairo *see* No. 643.

NOVEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	957·2	1014·0	..	302·3	304·5	23rd, 24th	294·4	292·1	27th	298·4	*297·9*	..	5	..
716	Morelia	19 42	101 7	1923	812·5	1015·1	..	294·2	297·1	18th	282·9	279·0	27th	288·6	*288·1*	..	36	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·5	..	+ 0·8	294·2	297·5	16, 17, 18	278·8	275·7	2nd	286·5	286·1	—0·3	6	— 9
718	Salina Cruz	16 12	95 12	56	1007·0	1013·4	..	302·7	304·9	9th	296·3	294·0	26th, 30th	299·5	*299·1*	..	0	..
719	San Salvador	13 42	89 13	682	936·6	1012·3	+ 1·1	303·9	305·5	7th	289·2	287·0	22nd	296·5	*295·5*	+0·1	46	+ 11
720	Belize	17 29	88 12	5·2	1014·2	1014·7	+ 1·9	..	..	..	293·8	289·7	1st	..	‡*296·1*	..	337	+ 35
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·9	+ 1·0	304·1	306·3	9th	294·7	292·1	17th	299·4	*299·1*	+0·4	62	— 47
722	Port au Prince	18 33	72 22	37·4	1010·3	1014·6	+ 1·7	305·1	308·4	7th	295·3	292·3	21st	300·2	*299·5*	+0·7	68	— 10
723	Caracas	10 30	66 55	1042	899·6	1014·3	+ 2·0	297·9	300·3	22nd	288·3	285·0	11th	293·1	*291·7*	—0·9	147	+ 62
724*a*	Montserrat	16 41	62 9	39·6	1009·6	1014·2	+ 0·9	302·6	305·2	2nd	295·9	293·6	19th	299·3	*298·8*	+0·2	147	— 13
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·6	‡1012·5	+ 1·6	302·7	304·7	11, 12, 16	296·9	295·8	6, 16, 23	299·8	*299·2*	+0·5	120	— 93
731	Barbados	13 8	59 36	55·2	..	1012·9	+ 0·7	301·8	302·8	20th	295·7	293·3	24th	298·7	*298·2*	—0·2	117	— 48
732	São Vicente, C. Verde Is.	16 54	25 4	11	1012·8	1014·0	+ 0·3	299·4	301·0	1st, 24th	..	..	..	..	*297·3*	—0·3	0	— 7
733	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·1	1014·7	+ 0·5	300·4	302·4	5th	296·6	294·6	29th	298·5	*298·7*	+0·1	0	— 12
734	Bathurst	13 27	16 36	1·8	1013·3	1013·5	+ 1·5	302·8	305·2	16th	294·2	290·2	30th	298·5	*298·7*	—0·7	0	— 5
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	307·2	310·8	6th	295·4	288·6	25th	301·3	..	+0·7	0	— 4
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	*301·6*	..	7	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·1	314·1	4th	293·2	289·7	17th	302·1	*301·6*	+2·0	0	0
738	Kaduna Capital	10 32	7 25	637	943·1	1013·5	+ 0·5	306·1	307·4	6th, 21st	290·2	285·8	22nd	298·1	*297·6*	—0·3	1	— 3
739	Hadejia	12 40	10 5	?	..	..	..	311·3	313·6	8th	285·8	283·0	25th	298·6	*298·1*	+0·4	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	310·9	313·6	2nd, 9th	290·4	288·0	26th	300·7	*300·2*	+1·0	0	0
741	El Fasher	13 32	25 18	730	..	..	..	307·2	310·4	10th	285·4	281·0	21st	296·3	*295·8*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	307·2	310·1	1st	290·0	287·3	22nd	298·6	*298·4*	+0·9	0	0
743*a*	Khartoum	15 37	32 33	390	966·8	1010·6	+ 0·4	307·7	310·4	24th	293·3	288·9	21st	300·5	*301·6*	+0·8	0	0
744	Port Sudan	19 37	37 13	5·5	1013·0	1013·6	+ 1·0	303·8	307·1	1st	296·9	293·0	20th	300·4	*300·0*	+0·1	50	+ 8
745	Berbera, Somaliland	10 22	45 2	9·5	1013·5	1014·6	— 0·2	304·9	309·7	2nd, 16th	294·4	291·3	3rd	299·7	*300·3*	—0·1	1	— 4
746	Aden	12 45	45 3	28·7	1011·9	1015·2	+ 0·1	301·7	306·2	4th	295·9	294·4	1st	298·8	*298·2*	—0·8	0	— 2
751	Bombay	18 54	72 49	11·3	1014·0	1015·2	+ 1·1	303·9	305·9	1st	295·8	294·4	29th	299·9	298·9	+0·1	0	— 11
752*a*	Kodaikanal	10 14	77 28	2343	772·3	..	+ 0·5	290·1	292·4	24th	281·9	277·6	23rd	286·0	*285·6*	+0·3	94	— 93
753	Bangalore	12 59	77 38	920	913·8	1015·3	+ 1·6	299·8	302·1	20th	288·6	285·2	11th	294·2	*293·6*	—0·3	109	+ 41
754	Madras	13 4	80 14	6·7	1014·4	1015·2	+ 2·0	302·4	303·5	19th	294·0	290·4	10th	298·2	*297·9*	—0·6	105	—233
	Vizagapatam	17 42	83 19	11·6	1015·2	1016·6	+ 2·3	301·8	303·7	6th	294·3	291·5	20th	298·1	*297·7*	..	1	— 82
755	Port Blair	11 40	92 40	18·0	1010·4	1012·5	+ 0·5	302·4	303·8	3rd	297·3	294·9	19th, 21st	299·9	*299·5*	—0·8	118	—122
756	Rangoon	16 46	95 48	5·5	1014·0	1014·6	+ 1·1	303·6	305·8	6th	295·4	293·2	22nd	299·5	*298·6*	—0·2	81	+ 12
757	Saigon	10 47	106 42	11	1009·5	1010·7	+ 0·4	301·7	304·9	23rd, 24th	294·5	291·8	11th	298·1	*297·6*	—1·4	247	+124
758	Nhatrang	12 15	109 12	3·6	1011·0	1011·4	— 0·5	300·0	302·5	22nd	294·3	290·8	16th	297·1	*296·7*	—1·6	693	+315
761	Bolinao	16 23	119 53	7·1	1006·1	1007·0	— 2·0	304·0	306·5	4th	296·8	294·2	25th	300·4	*299·7*	—0·3	137	+ 91
761*a*	Vigan	17 34	120 23	12·2	..	1008·7	— 1·5	304·6	309·7	3rd	296·4	294·7	21st	300·5	300·3	+0·5	82	+ 45
762	Manila	14 35	120 59	14·2	..	1009·2	— 0·6	303·0	306·5	1st	295·9	294·6	25th	299·5	298·5	—0·3	289	+156
705	Ormoc	11 0	124 36	5·6	1006·7	1007·4	— 0·6	304·1	306·6	1st	296·0	293·9	18th, 19th	300·1	*299·2*	+0·5	841	+639
	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1004·9	1007·6	— 0·4	302·9	303·8	5th	298·4	296·7	14th	300·7	*300·3*	+0·3	158	— 26

Between Latitude 10° N. and 0°.

NOVEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1011·1	+ 0·6	302·3	305·2	7th	297·3	295·8	30th	299·8	*299·3*	+0·5	507	— 35
822*a*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	59	— 55
824	Merida, Venez.	8 36	71 9	1641	‡841·7	..	..	..	..	..	..	..	..	..	..	..	237	— 50
825	El Peru, Guayanavieja	7 19	61 49	220	?984·8	?1009·8	+ 0·7	?302·0	?304·0	20th	?293·2	?289·7	8th	?297·6	*?297·0*	—0·8	..	..
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·0	+ 1·9	302·2	303·6	1st	297·1	295·2	22nd	299·7	*299·4*	—0·8	527	+358
826*a*	Paramaribo	5 49	55 9	3·7	‡1012·7	‡1013·1	+ 1·5	304·0	305·9	1st	295·5	293·9	11th	299·7	*298·4*	—0·4	131	+ 9
	Cayenne	4 56	52 21	0	..	..	..	303·6	305·4	13th	296·2	294·8	29th	299·9	*298·9*	—0·7	127	+ 10
833	Konakri	9 4	13 42	16	..	..	..	301·2	302·0	sev. dates	296·8	294·0	1, 17, 29	299·0	*298·6*	—1·2	218	+ 92
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·0	1011·9	+ 1·0	303·6	306·3	7th	296·2	294·1	30th	299·9	*299·0*	—0·4	237	+107
835	Assuantsi	5 18	1 15	101	..	..	..	302·8	304·1	23rd, 24th	294·4	293·0	8, 15, 17	298·6	*298·0*	..	74	..
836	Accra	5 33	W 0 12	25·1	1008·0	1010·8	..	303·6	304·7	1, 24, 26	295·8	294·1	17th, 30th	299·7	*299·2*	+0·1	84	+ 46
837	Lagos	6 27	E 3 24	6·7	1011·5	1012·2	+ 0·4	303·6	304·7	..	297·5	295·8	..	300·5	*300·1*	—0·1	85	+ 19
838	Zungeru	9 48	6 10	130	..	..	..	308·8	310·2	16th	291·7	288·0	23rd	300·3	*299·8*	+0·8	0	— 4
841	Yola	9 12	12 30	259	..	..	..	309·8	311·3	15th, 16th	..	..	..	..	‡*300·6*	+0·3	0	2
	Wau	7 42	28 3	440	..	..	..	310·3	311·0	sev. dates	292·6	289·5	22nd	301·4	*300·0*	+1·3	1	— 16
843	Malakal (Kodok)	9 35	31 37	394	965·1	1009·2	+ 0·3	309·1	311·0	17th	291·9	288·8	7th	300·5	*299·2*	+0·1	0	— 8
843*a*	Mongalla	5 11	31 47	439	959·4	1008·2	+ 0·2	309·5	311·5	30th	..	..	..	..	..	..	20	— 26
844	Entebbe	0 5	32 29	1171	883·7	1010·2	+ 0·2	299·3	303·3	29th	290·1	288·8	18th	294·7	*293·6*	—0·3	131	+ 4
851*a*	Minicoy	8 17	72 49	2·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Cochin	9 58	76 27	2·7	1013·6	1014·0	+ 1·7	304·2	306·6	28th	296·4	295·0	24th	300·3	*299·9*	+0·1	78	— 79
853	Colombo Observatory	6 54	79 53	7·3	..	1011·9	+ 2·0	304·2	306·0	14th	295·8	293·9	15th	300·0	*299·6*	+0·5	88	—191
854	Nuwara Elija	6 59	80 47	1886	813·8	1012·5	..	293·6	296·4	20th	283·3	274·6	15th	288·4	*287·8*	+0·4	132	— 94
	Trincomalee	8 34	81 14	30·2	..	1012·1	+ 2·5	301·6	304·7	1st	296·6	294·6	2nd	299·1	*298·7*	—0·6	301	— 54
855	Kuta Raja	5 32	95 20	7·1	..	1011·0	+ 1·0	..	..	..	..	..	..	..	..	..	145	— 39
856	Medan	3 35	98 41	25·0	..	1011·3	+ 1·

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	304·7	308·4	4th	296·5	294·0	22nd	300·6	*299·8*	—1·1	326	+100
926	Taperinha	2 30	54 20	20·0	1008·2	1010·5	+ 0·7	303·7	306·8	3rd	295·5	294·2	3rd	299·6	*298·6*	—0·7	130	+ 41
927	Turyassu	1 43	45 26	15·1	1009·0	1010·8	+ 0·5	305·4	307·5	2nd	296·0	293·1	1st	300·7	*300·0*	0·0	60	— 23
928	Barra do Corda	5 30	45 16	81·0	1000·2	1009·5	+ 0·2	305·1	307·8	5th, 7th	295·4	293·0	29th	300·2	*299·0*	—0·6	75	+ 4
929	Quixeramobim	5 16	39 15	207	987·9	1011·1	+ 0·5	307·0	308·2	25th	298·2	295·0	12th	302·6	*301·6*	+0·1	49	..
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1013·8	+ 2·5	299·0	300·2	23rd	294·7	292·8	14th	296·9	296·7	—1·0	9	— 25
940	Brazzaville	4 17	15 16	320	‡976·6	‡1012·6	..	304·9	310·0	1st	294·2	291·0	12th	299·6	*298·9*	+0·7	149	— 21
943	Masaka	0 21	31 47	?1280	..	..	..	299·2	301·9	29th	288·4	287·4	sev. dates	293·8	*292·5*	—0·1	49	— 46
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	298·0	301·3	4th	286·3	282·4	18th	292·2	..	..	76	— 40
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	296·3	299·7	10th, 11th	..	..	..	..	..	..	83	— 33
944*a*	Zanzibar	6 10	39 11	21·9	1012·5	1015·0	+ 0·2	302·6	304·3	30th	298·4	296·8	23rd	300·5	*299·9*	+0·4	239	+ 58
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	304·7	9th	298·6	296·9	27th	300·8	*300·4*	+0·5	0	— 47
947	Seychelles, Port Office	4 37	55 27	4·6	1012·2	1012·7	+ 0·9	301·2	302·7	23rd	297·6	296·2	14th	299·4	*298·6*	+0·3	199	— 5
957	Padang	0 56	100 22	6·7	..	1012·0	+ 1·0	..	..	..	..	..	..	..	..	..	585	+179
958	Batavia	6 11	106 50	8·0	1009·8	1010·7	+ 1·0	303·5	306·0	28th	296·0	294·0	11th	299·7	299·3	0·0	66	— 73
958*a*	Pontianak	0 1	109 20	2·6	..	1011·3	+ 0·8	..	..	..	..	..	..	..	..	..	629	+255
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	48	— 15
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	256	+ 58
962	Amboina	3 42	128 10	4·2	..	1009·4	+ 0·8	..	..	..	..	..	..	..	..	..	96	— 15
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	417	+256
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1010·4	+ 0·4	303·3	..	..	..	..	..	..	..	..	28	— 24
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	297·3	..	..	300·3	*299·9*	—0·1	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	?1008·4	?1008·7	+ 0·2	?304·4	?306·3	29th	?298·2	?296·9	9th	?301·3	*?301·1*	+0·4	216	— 80
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·9	304·7	11, 18, 27	297·7	295·8	26th	300·8	*300·0*	—0·3	84	— 80

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·0	+ 0·5	303·0	305·7	29th	297·1	294·8	21st	300·1	299·6	+0·7	327	+ 40
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·3	305·2	10th	295·4	289·7	21st	298·8	*298·6*	+0·6	103	— 10
1021	Arequipa	16 22	71 33	2451	761·9	..	+ 1·3	293·9	295·8	9th	283·3	280·8	21st	288·6	*288·1*	+1·2	0	— 1
1022	Puerto de Arica	18 28	70 20	5	..	..	..	295·1	296·4	sev. dates	288·8	287·0	3rd, 4th	291·9	..	..	0	0
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·7	..	..	289·1	295·2	26th	279·6	275·0	7th	284·3	*284·3*	..	108	+ 47
1025	Corumba	18 59	57 39	116	997·6	1010·9	+ 2·1	304·9	309·0	13, 14, 20	292·8	286·0	8th	298·8	*298·0*	—1·4	59	— 58
1026	Cuyaba	15 36	56 6	165	991·4	1010·1	+ 1·6	304·6	308·0	13th, 14th	293·7	287·5	9th	299·2	*298·6*	—2·1	234	+ 73
1027	Bello Horizonte	19 55	43 57	895	913·1	1011·6	+ 0·2	300·3	305·2	30th	289·7	286·2	10th	295·0	*294·1*	—0·3	187	+ 17
1028	Caetite	14 3	42 37	897	915·2	1014·1	+ 1·3	297·7	301·5	4th	290·6	284·0	10th	294·2	*294·2*	—1·7	314	+ 76
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·3	1012·7	+ 0·3	300·3	302·5	4th	295·7	294·0	11th, 12th	298·0	*297·8*	—0·3	125	— 22
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	948·5	1015·5	+ 3·2	292·6	295·2	9th	286·4	285·8	6, 8, 13	289·5	*289·1*	+0·9	65	+ 22
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	295·7	298·0	19, 20, 23	284·6	283·2	sev. dates	290·1	*290·6*	..	0	— 4
1042	Gwelo	19 28	29 48	1417	861·9	1012·4	+ 0·7	301·2	309·1	10th	288·2	284·1	14th	294·7	..	—0·2	122	+ 23
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡854·8	‡1010·7	+ 1·4	302·3	310·5	10th	286·2	282·5	1st	294·2	*293·0*	—0·3	69	— 31
1044	Zomba	15 23	35 18	955	906·7	1010·3	+ 0·5	301·4	309·1	12th	291·5	286·3	3rd	296·4	*296·2*	—0·8	87	+ 7
1045	Antananarivo	18 55	47 32	1400	865·0	1015·3	+ 0·2	300·0	303·0	22nd	287·8	284·5	19th	293·9	*292·7*	0·0	203	— 59
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·8	1014·3	+ 2·0	301·9	303·6	2nd	297·4	295·2	14th	299·7	*299·3*	—0·2	58	— 62
1057	Christmas Island	10 25	105 43	5·5	1007·6	1008·2	— 0·6	304·4	306·3	..	295·9	294·1	..	300·2	*299·6*	0·0	28	— 20
1061	Kupang	10 10	123 34	45·1	..	1010·3	+ 1·0	305·6	307·5	9th	296·3	294·4	8th	300·9	300·2	..	60	— 27
1061*a*	Derby	17 18	123 40	16·2	1007·9	1009·8	+ 0·5	308·4	310·8	20th, 30th	298·6	296·3	22nd, 23rd	303·5	..	—0·2	5	— 76
1062	Hall's Creek	18 13	127 46	374	967·2	1008·5	— 0·3	310·8	316·3	16th	298·1	293·0	25th	304·4	*303·7*	+1·0	44	— 37
1063	Darwin	12 28	130 51	29·6	1005·8	1009·2	+ 0·6	307·3	308·8	25th, 28th	298·9	294·7	17th	303·1	*301·9*	+0·2	53	+ 5
1064	Daly Waters	16 16	133 23	211	983·1	1006·7	— 1·2	310·9	315·8	15th, 16th	296·9	293·6	26th	303·9	*303·2*	—0·3	100	— 44
1065	Mein	13 13	142 47	122	994·8	1008·5	+ 0·2	306·4	309·7	27th	294·7	291·6	2nd	300·6	*299·8*	—0·7	23	— 24
1066	Georgetown, Queensland	18 22	143 32	302	977·0	1010·8	+ 0·7	309·7	312·6	14th	294·7	287·9	2nd	302·2	..	+0·5	28	— 2
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	1012·4	1013·1	+ 0·7	301·8	303·7	26th	292·9	289·4	13th	297·4	*297·2*	—0·7	515	+272
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	300·6	301·9	29th	295·4	292·2	22nd	298·0	*297·8*	+1·3	189	+ 36
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·4	1016·6	+ 0·6	290·8	293·0	30th	286·6	285·0	2nd, 30th	288·7	*288·3*	+0·8	1	0
1122	Iquique	20 12	70 11	9	1014·2	1015·3	— 0·2	295·7	300·0	18th	288·5	286·6	6th	292·1	*291·9*	+0·4	0	0
1123	Catamarca	28 27	65 47	510	954·2	1011·3	+ 3·7	303·9	310·6	20th	288·7	282·4	27th	296·3	296·2	—1·4	49	+ 14
1124	Salta	24 46	65 28	1178	882·6	1011·0	+ 1·6	298·8	304·5	20th	286·1	280·6	9th	292·5	292·7	—1·6	66	+ 6
1125	Goya	29 9	59 15	26	1010·6	1013·6	+ 2·9	303·0	308·7	13th	288·0	280·2	7th	295·5	295·5	+0·1	48	— 60
1126	Asuncion	25 21	57 37	93	1003·0	1013·7	+ 3·9	305·9	314·0	26th	289·7	282·0	8th	297·8	298·1	+0·4	59	— 95
1127	Curityba	25 25	49 17	908	912·7	1013·9	+ 0·7	296·6	302·9	17th	285·1	277·8	13th	290·8	*289·9*	—1·4	86	— 45
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·9	1014·1	+ 1·6	296·9	301·4	28th	291·9	288·2	9th	294·4	294·4	—1·5	35	— 70
1139	Windhoek	22 35	E 17 5	1680	..	..	..	301·0	304·6	21st	287·0	280·9	12th	294·0	*294·2*	—1·3	24	+ 4
1140																		
1141	Kimberley	28 42	24 47	1202	881·6	1011·9	+ 1·1	300·7	305·7	27th, 28th	286·0	278·0	12th	293·3	292·9	—1·6	70	+ 32
1141*a*	Johannesburg	26 11	28 4	1806	822·4	1013·1	+ 0·3	294·6	300·8	10th	284·1	275·2	13th	289·3	*288·9*	—1·2	91	— 35
1142	Pretoria (Brooklyn)	25 46	28 13	1400	862·6	1013·3	+ 0·7	298·7	304·1	11th	284·6	277·4	13, 16, 18	291·7	*291·3*	—1·5	101	— 36
1142*a*	Bulawayo	20 9	28 35	1340	867·9	1010·9	+ 0·1	300·7	307·2	10th	288·6	284·3	14th	294·7	*294·3*	—0·8	120	+ 37
1143	Durban	29 52	31 3	15·2	1016·2	1018·0	+ 1·6	298·3	302·3	7th	291·6	285·2	14th	294·9	*294·4*	+0·2	299	+173
1144	Lourenço Marques	25 58	32 36	59	..	1015·3	+ 0·7	299·7	307·7	9th	291·9	286·9	14th	295·8	295·6	—0·6	205	+129
1147	Mauritius	20 6	57 33	55·2	1008·0	1014·4	— 1·7	301·1	303·4	13th	292·8	289·0	5th	296·9	296·6	—0·3	190	+150
1159	Onslow	21 43	114 57	4·3	1009·8	1010·2	+ 0·2	306·4	311·9	6th	290·9	287·9	4th	298·7	..	—0·7	0	— 1
1160	Peak Hill	25 38	118 47	588	944·1	1009·3	+ 0·8	307·6	311·9	15th	291·7	287·7	7th	299·6	..	—0·1	1	— 9
1161	Nullagine	21 53	120 5	386	964·7	1007·5	— 0·7	311·2	316·6	16th	294·5	286·9	8th	302·9	..	0·0	1	— 12
1162	Laverton	28 40	122 23	466	959·1	1011·6	— 0·3	305·4	315·1	16th	289·6	283·4	10th	297·5	*297·3*	+0·1	1	— 20
1163	Alice Springs	23 38	133 37	587	943·0	1008·1	— 2·8	308·3	313·6	15th	290·9	285·2	23rd	299·6	*299·4*	+0·5	3	— 23
1164	William Creek	28 55	136 21	76·2	1003·0	1011·8	— 0·6	307·3	317·7	18th	290·7	284·1	27th	299·0	*298·5*	+1·1	7	— 4
1164*a*	Boulia	22 55	139 38	146	992·2	1008·6	— 0·1	310·9	315·2	25th	295·2	290·5	22nd	303·1	*302·9*	+1·3	44	+ 19
1165	Thargomindah	27 58	143 43	123	996·3	1010·1	— 0·6	308·3	313·7	4th	293·9	286·9	22nd	301·1	*300·7*	+1·8	22	— 2
1165	Mitchell	26 32	147 52	336	973·3	1010·8	..	307·5	311·9	3rd	290·2	284·1	22nd	298·8	..	+1·8	51	+ 1
1167	Rockhampton	23 24	150 30	11·3	1012·4	1013·6	+ 0·4	303·8	307·4	30th	292·3	287·3	1st	298·0	*297·3*	—0·6	49	— 5
1168	Brisbane	27 28	153 2	41·7	1009·9	1014·7	+ 0·2	301·6	305·5	30th	291·8	289·0	1st	296·7	*295·8*	+0·6	82	— 11
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1016·6	1018·5	+ 1·9	295·7	298·6	22nd	287·9	283·6	2nd	291·8	*291·3*	—0·5	14	— 57

NOVEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1221*a*	Punta Tumbes	36 37	73 6	120	1002·4	1016·9	— 0·3	289·9	300·0	7th	282·7	280·0	5th	286·3	*286·1*	+0·4	3	— 14
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·7	1015·6	— 0·6	292·4	296·2	30th	284·8	283·0	30th	288·6	*288·1*	—0·8	0	— 8
1222*a*	Santiago	33 27	70 42	520	954·7	1014·3	— 0·5	299·0	307·0	7th	283·1	279·0	5th	291·1	*290·1*	+0·9	0	— 6
1223	Cordoba	31 25	64 12	423	965·9	1014·2	+ 3·2	301·8	309·8	..	284·3	276·6	..	293·1	293·0	—0·2	55	— 47
1224	Bahia Blanca	38 45	62 15	25	1012·9	1015·9	+ 4·8	299·0	307·0	18th	284·1	276·0	4th	291·5	292·0	+0·4	19	— 34
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1013·8	1016·7	+ 3·1	296·8	306·6	13th	284·5	275·7	6th	290·7	290·9	—2·3	51	— 26
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1017·4	+ 4·2	294·7	302·0	13th	286·5	279·6	5th	290·6	*290·6*	—0·7	62	— 26
1226*a*	Porto Alegre	30 2	W51 13	23·5	1010·7	1013·5	+ 0·6	298·4	306·5	14th	287·5	281·6	6th	293·0	292·6	—1·7	47	— 26
1239	Cape Town	33 56	E 18 29	12·2	..	1016·1	+ 0·3	297·2	304·7	25th	287·1	282·4	12th	292·2	*291·1*	+1·2	13	— 14
1240	Danger Point	34 37	19 18	27·7	1007·6	1010·9	..	292·9	295·8	25th, 29th	286·9	283·6	18th	289·9	..	..	26	— 16
1241	Riversdale	34 6	21 16	761	1005·3	1012·5	..	298·8	306·9	23rd, 29th	286·2	278·6	13th	292·5	..	..	11	— 24
1242	East London	33 1	27 54	9·8	1015·6	1016·7	+ 1·6	296·5	300·8	26th	289·9	285·8	11th, 13th	293·2	..	+1·4	123	+ 58
1259	Perth (Observatory)	31 57	115 51	60·0	1008·4	1015·5	0·0	296·2	302·9	7th	286·1	283·1	5th, 19th	291·1	*290·8*	—0·8	21	+ 1
1260	Katanning	33 42	117 35	310	979·3	1015·0	+ 0·2	295·6	301·1	7th	282·5	277·6	20th	289·1	..	—1·5	17	0
1261	Coolgardie	30 57	121 10	423	964·1	1012·5	— 0·4	301·6	309·8	29th	285·5	280·2	19th	293·6	*293·4*	—1·0	5	— 12
1262	Eucla	31 45	128 58*	4·6	1012·1	1012·6	— 2·0	297·8	317·8	16th	286·0	280·8	8th	292·2	*291·6*	+0·4	16	— 2
1263	Streaky Bay	32 48	134 13	13·1	1012·3	1013·6	— 1·8	300·9	315·3	13th	287·3	280·8	21st	294·1	*293·3*	+1·7	30	+ 13
1264	Adelaide	34 56	138 35	42·7	1008·7	1013·7	— 1·4	299·7	315·1	18th	285·8	280·6	21st	292·7	292·6	+0·3	56	+ 27
1265	Melbourne	37 49	144 58	35·1	1008·7	1012·8	— 1·4	295·8	310·8	18th	285·5	281·3	22nd	290·7	*290·5*	+1·4	66	+ 10
1265	Bourke	30 13	145 58	111	1002·5	1015·0	— 0·3	307·8	316·3	5th	291·7	285·2	8th	299·8	..	+1·5	22	— 10
1266	Sydney	33 51	151 13	40·5	1008·4	1013·2	— 0·5	297·9	305·3	5th	289·5	284·7	8th	293·7	*293·2*	+1·2	77	+ 6
1266	Lord Howe Island	31 20	159 0	4·0	1016·2	1016·7	+ 0·9	297·1	300·2	28th	289·6	283·0	1st	293·3	..	+0·5	39	— 67
1271	Auckland	36 50	174 50	38·1	..	1013·8	..	291·5	294·7	21st, 30th	285·2	282·4	10th	288·3	..	—0·4	51	— 32
1272	Napier	39 32 S.	176 53 E.	21·3	..	1009·8	— 2·2	293·6	304·4	20th	283·1	276·3	20th	288·3	..	—0·6	89	+ 36

NOVEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1002·9	..	..	..	..	..	..	..	..	..	..	83	+ 13
1321	Isla Guafo	43 34	74 45	140	1002·6	1019·6	+ 3·4	285·7	293·5	7th	281·5	278·7	4th	283·6	*283·2*	+0·7	36	— 29
1322	Punta Galera	40 1	73 44	40	1014·8	1019·7	+ 2·1	286·9	293·8	7th	281·2	277·0	4th	284·1	*284·7*	—0·4	23	— 88
1323	Sarmiento	45 30	69 0	274	975·2	1006·2	..	..	293·2	28th	281·2	271·6	3rd	..	288·4	+1·6	0	— 6
1324	Punta Madryn	42 49	W64 58	14	1013·7	1015·4	..	297·8	307·0	14th	283·1	274·6	30th	290·5	289·9	+0·9	1	— 7
1365	Launceston	41 27	E147 10	10·1	1008·1	1009·2	— 1·5	295·0	305·8	18th	283·1	277·6	20th	289·0	*288·2*	+1·5	47	+ 1
1365	Hobart	42 53	147 20	53·9	1001·7	1008·1	— 1·0	294·2	308·7	17th	283·7	279·1	20th	288·9	*288·1*	+1·9	8	— 56
1370	Invercargill	46 25	168 21	3·7	..	..	..	288·8	296·3	16th	281·1	274·7	22nd	284·9	..	+0·6	133	+ 20
1371	Dunedin	45 52	170 31	91·4	..	1008·0	— 1·0	290·1	301·9	15th	280·8	275·2	1st	285·4	..	+0·6	44	— 40
1371*a*	Christchurch	43 31	172 39	7·6	..	1007·7	— 0·8	292·2	300·1	21st	281·4	274·5	1st	286·8	..	+0·2	29	— 18
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1010·5	— 0·9	289·6	294·8	8th	282·5	276·5	2nd	286·1	..	—0·7	90	+ 1
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1000·6	1007·4	+ 6·2	280·9	283·6	23rd	278·0	274·0	2nd	279·5	*279·4*	+0·1	235	— 10
1422	Puerto de Punta Arenas	53 10	70 54	28	1001·1	1004·5	+ 4·0	285·8	290·4	9th	278·7	273·2	2nd, 3rd	282·3	*282·5*	+1·1	17	— 43
1423	Punta Dungeness	52 24	68 26	5	1003·4	1004·0	+ 5·1	285·4	291·6	28th	278·5	273·5	3rd	281·9	*281·7*	+0·2	..	..
1424	Santa Cruz	50 11	68 21	12	1005·1	1006·6	+ 2·7	291·9	301·6	10th	279·9	270·8	3rd	285·9	285·8	+1·1	21	— 18
1424*a*	Año Nuevo	54 39	64 8	50	992·9	999·0	+ 2·3	283·2	288·0	11th, 18th	275·6	270·5	3rd	279·4	*278·9*	0·0	29	..
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	999·6	1002·2	+ 3·0	282·2	289·7	18th	275·4	269·7	3rd	278·8	279·3	—0·5	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	989·9	990·4	— 3·0	278·6	285·6	9th	271·7	268·0	4th	275·1	*275·3*	—1·4	49	— 37

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	984·2	985·1	— 4·0	272·0	275·4	7th	267·0	263·5	5th	269·5	269·8	—1·0	22	— 15
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—NOVEMBER 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort). 9h.	Sierra Leone. 834. 17h.	Entebbe. 844. Direction and Force (Beaufort). 7h.	Entebbe. 844. 21h.	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort). 9h.	Ocean Island. 970. Direction and Force (Beaufort). 8h.	Ocean Island. 970. 20h.	Suva, Fiji. 1072. Direction and Force (Beaufort). 9h.
	9h.	m/s										
1	SE	5·8	..	NE 2	Calm 0	S 2	SE 2	..	SE 2	NE 2	Calm 0	SW 2
2	SE	6·6	..	NE 2	SW 1	S 1	SSW 1	..	..	E 2	Calm 0	S 1
3	SSE	5·7	..	NE 3	SW 3	N 1	N 1	..	SE 2	Calm 0	Calm 0	S 2
4	SE	5·3	..	Calm 0	SW 2	N 2	SE 1	..	SE 6	SE 2	Calm 0	SE 4
5	SE	6·5	..	Calm 0	Calm 0	N 1	SE 1	..	SE 6	NE 2	Calm 0	SE 4
6	SE	8·6	..	NE 1	Calm 0	SE 1	SE 1	..	..	E 4	Calm 0	SE 2
7	SSE	7·8	..	NE 1	SW 1	SSE 1	SSW 1	..	..	E 2	Calm 0	SE 2
8	SE	6·7	..	Calm 0	SW 1	W 2	SE 1	..	..	NE 2	NE 2	NE 2
9	SE	6·3	..	NE 1	S 1	S 1	SE 1	..	NW 2	NE 4	Calm 0	SE 4
10	SSE	6·4	..	Calm 0	NE 1	S 1	SE 1	..	Calm 0	E 2	NE 2	NNE 2
11	SE	6·9	..	Calm 0	SW 1	S 1	SE 1	..	Calm 0	E 2	Calm 0	NE 2
12	SE	9·5	..	Calm 0	Calm 0	N 2	SE 1	..	SE 2	Calm 0	Calm 0	NE 2
13	SE	8·8	..	NNW 1	Calm 0	SE 1	N 1	..	..	Calm 0	..	NW 2
14	SSE	8·0	..	NW 3	Calm 0	S 1	S 1	..	Calm 0	E 1	E 1	NE 2
15	SE	7·8	..	Calm 0	Calm 0	SE 1	S 1	..	Calm 0	ENE 2	ENE 1	NE 2
16	SE	8·9	..	NW 1	SW 2	SE 1	S 1	..	Calm 0	Calm 0	ENE 1	SE 2
17	SE	11·1	..	Calm 0	Calm 0	SE 1	S 1	..	NW 2	ENE 1	ENE 1	N 2
18	SE	11·0	..	Calm 0	SW 1	NE 1	SE 1	..	Calm 0	ENE 2	NE 3	NE 2
19	SE	9·5	..	Calm 0	Calm 0	S 1	S 1	..	Calm 0	ENE 1	ENE 2	S 2
20	SE	10·6	..	NE 1	SW 1	N 1	S 2	..	..	SE 3	ESE 3	S 2
21	SE	9·7	..	Calm 0	Calm 0	S 2	SE 2	..	NW 4	ESE 1	Calm 0	SE 2
22	SE	10·4	..	Calm 0	Calm 0	SW 1	SE 1	..	Calm 0	E 1	E 1	SE 2
23	SE	10·0	..	Calm 0	SW 1	SE 1	SE 1	..	..	ENE 2	ENE 1	SE 2
24	SE	9·6	..	Calm 0	Calm 0	E 1	E 2	..	Calm 0	ENE 1	ENE 1	N 2
25	SE	6·6	..	Calm 0	SW 1	E 2	SE 2	..	SE 2	N 1	NNW 2	NE 2
26	SE	5·9	..	Calm 0	Calm 0	NE 1	SE 1	..	SSE 4	NNW 1	NNW 2	N 2
27	SE	3·0	..	Calm 0	SW 1	SE 1	SE 1	..	..	E 2	NE 2	N 2
28	SE	3·7	..	Calm 0	Calm 0	SE 2	S 1	..	..	N 2	NW 2	NE 2
29	SE	5·4	..	Calm 0	Calm 0	E 1	S 2	..	SE 2	ENE 2	NE 2	E 2
30	SE	6·6	..	Calm 0	NE 1	S 1	SE 2	..	SE 2	NE 2	NE 2	SE 2
Mean	..	7·6	..	0·5	0·6	1·2	1·2	..	1·7	1·6	1·1	..
§Resultant	140° (97)	..	..	260° (6)		145° (60)		..	140° (27)	65° (58)		95° (43)
§Normal	142° (93)	8·3	‖116° (76)	285° (8)		255° (36)		72° (82)	131° (52)	‖108° (36)		101° (62)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 7608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1921.

‡‡ *White Sea.*—On the 1st drift ice was observed at Archangel.

‡‡ *Spitsbergen.*—Icefjord and its branches had thin firm ice and drift ice.

‡‡ *Iceland* was free of ice as is usual in this month.

‡‡ *Denmark Strait.*—At Angmagsalik, during the first few days, the belt of "Storis" was still narrow, but on the 4th considerable masses of ice came from the north and there was ice everywhere during the rest of the month, open water being visible in the offing only on odd days.

‡‡ *N. Atlantic and Labrador.*—One iceberg was seen on the Newfoundland Banks, south of the 48th parallel, the normal being 4. At Belle Isle the sea was free of ice.

‡‡ *Davis Strait and Baffin Bay.*—From the 5th to 18th the sea was free of ice from Cape Farewell to Upernivik except for masses of "Storis" in Julianehaab Bay and icebergs at Frederikshaab. The first "Storis" of the season (8 miles wide) rounded Cape Farewell on the 21st, which is the earliest date recorded in the 25 years of observations. It remained about 3 weeks. West ice was observed from Upernivik about the middle of the month, but it soon drifted away again. Sledging was practicable on the ice in Frozen Strait along the coast at Vansittart Island. There was open water in Hurd Channel.

‡‡ *Isforholdene i de arktiske Have*, 1921 and 1922, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1921 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **DECEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	254·5	271·3	18th, 19th	245·9	234·7	26th, 27th	250·2	..	+3·4	8	— 3
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	999·5	1002·0	— 4·3	259·0	273·8	4th	253·5	246·5	29th	256·3	*255·7*	—0·3	33	+ 20
125	Jan Mayen	70 59	W 8 18	23·1	991·8	994·7	..	..	276·3	8th	267·1	260·6	15th	..	269·0	..	46	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	998·3	999·8	—10·1	..	274·5	31st	256·8	239·7	21st	..	261·1	+3·5	60	+ 21
139	Björnöen	74 28	19 15	40·5	991·5	996·6	..	..	..	..	..	..	..	..	*269·1*	..	17	..
140	Gjesvaer	71 6	25 22	6·5	995·5	996·3	— 6·6	..	277·0	13th	267·9	261·7	9th	..	*269·9*	+0·1	71	+ 4
141	Mehavn	71 1	27 47	6·4	996·8	997·6	— 7·3	..	277·0	12th	266·5	260·0	9th	..	*269·0*	0·0	102	+ 17
142	Vardö	70 22	31 8	6·8	997·8	998·7	— 6·3	..	277·0	12th	267·4	258·8	10th	..	*269·9*	+1·2	62	— 2
143	Malye Karmakouly	72 23	52 43	14·8	1004·7	1006·6	— 3·2	..	272·8	13th, 14th	258·0	246·6	8th	..	*259·4*	+0·4	73	+ 63
147	Waigatz	70 24 N.	58 47 E.	11·2	1006·8	1008·3	— 0·3	262·2	273·3	14th	254·4	245·3	8th	258·3	*258·3*	..	47	..
148																		

Between Latitude 70° N. and 60° N. **DECEMBER—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1004·4	— 3·7	262·9	273·6	21st	255·5	244·1	9th	259·2	*259·4*	+0·8	77	+ 49
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1009·8	— 3·9	261·1	274·1	20th	252·4	241·3	16th	256·8	*257·1*	+7·9	18	0
206	Rampart	65 30	150 15	122	..	..	..	259·7	275·8	20th	252·2	240·2	27th	255·9	..	+7·8	29	+ 12
207	Valdez	61 7	146 16	8·2	..	1008·8	+ 4·6	271·8	280·8	21st	264·3	258·0	14th	268·1	*268·3*	+2·2	201	+ 55
208	Eagle	64 46	141 12	254	..	1013·2	— 1·3	261·1	271·3	3rd	251·0	235·8	1st	256·0	..	+7·2	13	+ 1
209	Dawson	64 4	139 20	328	974·0	1018·4	+ 5·2	254·7	264·7	12th	240·9	238·6	6th	250·8	..	+2·6	29	+ 3
210	Carcross	60 11	134 34	662	..	..	..	270·3	277·4	sev. dates	258·4	249·1	25th	264·4	..	+5·5	4	+ 14
211	Fort Good Hope	66 15	128 31	65·2	1005·7	1014·9	..	255·8	275·8	20th	244·0	230·2	1st, 2nd	249·9	..	..	19	+ 1
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	993·5	1015·2	— 1·0	260·3	280·2	8th	250·3	234·7	22nd	255·3	..	+3·3	17	+ 3
225	Jacobshavn	69 13	51 2	12·6	997·2	998·8	— 5·0	263·9	276·1	4th	256·4	245·7	28th	260·1	*260·1*	+0·1	13	0
226	Godthaab	64 11	51 43	9·0	992·4	993·6	— 6·0	266·4	277·4	5th	261·6	251·4	26th	264·0	*264·2*	—0·9	17	+ 23
227	Ivigiut	61 12	48 10	5·0	995·1	995·8	— 3·3	268·2	281·2	6th	262·1	252·2	28th	265·1	*264·9*	—1·8	68	+ 10
229	Angmagsalik	65 37	37 33	31·7	987·4	991·4	— 8·0	269·0	279·5	3rd	264·0	255·2	28th	266·5	*266·3*	+0·6	77	+ 5
231	Stykkisholm	65 5	22 46	20	987·9	990·4	— 8·4	275·0	280·0	11th	270·8	265·1	30th	272·9	*272·6*	+0·9	122	+ 57
232	Vestmanno	63 24	20 17	132	976·8	993·0	— 4·0	277·4	283·6	12th	272·6	267·3	21st	275·0	*274·7*	+1·1	201	+ 62
233	Grimsey	66 33	17 58	22·0	..	..	..	274·1	278·6	1st	270·0	264·3	23rd	272·1	*271·7*	0·0	..	..
234	Akureyri	65 40	18 4	35	..	992·8	— 8·0	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	991·5	993·7	— 6·2	276·6	282·4	12th	269·7	264·2	29th	273·1	*273·2*	+0·7	226	+ 89
236	Thorshavn	62 3	6 45	26·3	995·2	998·4	— 3·6	279·5	284·0	11th	274·7	268·5	24th	277·1	*277·0*	+0·7	164	+ 4
237	Lerwick	60 9	W 1 11	46·9	997·2	1002·9	— 1·3	279·9	283·6	10th	276·3	271·3	24th, 31st	278·1	*278·4*	+0·7	142	+ 20
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	997·5	1003·0	— 6·0	278·9	282·1	17th	275·4	272·0	4th	277·1	*277·1*	+2·2	303	+ 122
239	Aalesund	62 28	6 10	6·3	998·7	999·5	— 7·1	..	283·2	11th	..	272·8	16th	..	*277·8*	+2·0	211	+ 85
240	Trondhjem	63 26	10 25	39·5	994·0	999·1	— 8·4	275·5	280·7	12th	271·0	262·7	24th	273·3	*273·4*	+2·7	132	+ 71
241	Bodö	67 17	14 24	22·4	993·6	996·4	— 8·5	..	281·0	11th	269·6	263·4	1st	..	*272·2*	+0·6	71	+ 13
242	Haparanda	65 50	24 9	9·2	999·1	1000·3	— 8·9	268·1	276·0	13th	259·8	249·5	26th	263·9	*264·5*	+1·5	64	+ 32
242*a*	Helsingfors	60 10	24 57	11·7	1001·8	1003·2	— 9·0	272·2	275·4	13th	266·8	257·6	1st	269·5	270·2	+0·7	79	+ 28
243	Kuopio	62 54	27 40	90·3	991·0	1002·4	— 9·1	269·0	275·6	12th	264·0	250·5	10th	266·5	*266·9*	+1·5	56	+ 9
244	Kola	68 53	33 1	6·7	1000·3	1001·2	— 7·3	266·3	276·5	12th	258·1	236·9	9th	262·2	*262·8*	+0·3	20	+ 3
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1004·0	1004·8	— 6·3	265·0	275·2	14th	257·9	241·1	8th	261·4	*261·5*	—0·2	31	+ 7
247	Mezen	65 50	44 16	14·9	1002·8	1004·7	— 5·8	263·3	274·3	14th	256·5	242·8	27th	259·9	*260·6*	+1·0	19	+ 9
248	Onst-Tsylma	65 25	52 18	? 68	998·7	1007·8	— 8·7	260·3	272·8	15th	253·4	241·4	5th	256·8	*257·0*	—1·2	14	..
	Tcherdyn	60 24	56 31	?177	989·1	1012·7	— 4·5	258·7	269·1	15th	252·6	231·6	12th	255·6	*255·9*	—0·5	25	— 11
249	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1010·0	1015·4	— 2·7	..	269·9	15th	247·7	231·4	12th	..	*252·6*	+0·1	29	+ 11
252																		
253																		
254	Doudinka	69 23	86 4	? 20	1014·3	1017·0	— 1·9	..	261·0	19th	244·4	229·3	11th, 12th	..	*247·4*	+2·1	2	— 5
	Touroukhansk	65 47	87 57	45	1013·9	1020·2	+ 0·2	..	262·3	18th	242·3	224·6	12th	..	*246·2*	+1·0	14	+ 1
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	219·7	..	..	*232·9*	—2·9	11	+ 1
262	Iakoutsk	62 1	129 43	?108	1012·3	1028·9	+ 2·7	..	240·2	12th	222·6	216·8	31st	..	*226·1*	—6·4	3	— 7
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ See "Remarks" page 105.

DECEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	..	..	..	277·4	sev. dates	..	262·4	10th	272·2	..	+1·7	55	−10
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1004·4	+ 2·7	276·6	282·4	20th	270·9	264·7	11th	273·8	..	+0·9	70	+ 5
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	270·9	276·9	4th, 5th	263·0	248·0	12th	267·0	..	+3·8	33	+ 8
306	Kodiak (Radio)	57 46	152 22	6·1	..	1004·7	+ 3·0	277·0	282·4	14th	271·0	263·6	12th	274·0	..	+1·8	‡60	
309	Sitka	57 3	135 19	27·4	..	1011·8	+ 4·0	278·3	285·2	7th	272·6	267·4	24th	275·4	*275·3*	+0·5	316	+ 90
310	Prince Rupert	54 18	130 18	51·8	1009·8	1016·3	+ 6·8	277·4	287·4	7th	271·9	263·0	25th	274·7	*275·1*	−0·4	220	− 35
311	Barkerville	53 2	121 35	1274	866·8	1021·2	+ 5·4	266·9	277·4	5th	258·0	240·2	19th	262·4	*262·3*	−4·6	28	− 228
312	Kamloops	50 42	120 29	385	980·3	1029·9	+ 7·3	268·6	282·4	11th, 12th	263·0	247·4	20th	265·8	*265·9*	−5·5	12	− 241
313	Calgary	51 2	114 2	1045	894·0	1020·7	+ 1·4	273·6	285·2	8th	259·1	238·0	20th	266·3	*266·6*	−0·3	1	− 41
314	Fort Chipewyan	58 42	111 10	218	985·4	1014·5	− 2·3	263·4	278·6	8th	251·9	234·1	23rd	257·6	*257·5*	+1·7	15	− 31
315	Prince Albert	53 10	105 38	442	962·9	1020·3	+ 1·8	264·7	278·6	5th	255·2	235·2	23rd	259·9	*259·9*	+1·7	10	− 28
316	Qu'Appelle	50 30	103 47	645	939·6	1021·4	+ 4·8	267·4	278·6	12th	258·0	237·4	23rd	262·7	*262·2*	+1·5	15	− 18
317	Minnedosa	50 15	99 50	515	953·4	1019·4	+ 0·2	266·3	277·4	9th	256·3	238·6	23rd	261·3	*261·3*	+1·6	6	− 28
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	Port Nelson	57 4	92 36	14·9	1014·1	1016·1	+ 0·2	258·6	269·7	9th	249·7	234·7	23rd	254·1	..	+3·9	14	− 28
319	Fort Hope	51 33	87 49	‡260	979·0	1014·5	..	262·6	275·8	1st	253·7	237·4	26th	258·1	*‡257·8*	+3·2	24	+ 1
320	Moose Factory	51 14	80 30	9·1	1010·1	1011·3	− 5·9	265·2	276·9	3rd	254·1	‡237·4	21st, 24th	259·7	..	+1·9	60	+ 26
321	Fort George	53 50	79 5	97·5	..	..	..	261·0	274·7	2nd	253·8	236·3	20th	257·4	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	262·4	274·1	3rd	252·9	232·2	22nd	257·7	..	+1·0	81	+ 44
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	268·2	275·4	20th	257·8	243·0	25th	263·0	..	+0·3	64	+ 17
326	Belle Isle	51 53	55 23	133	987·7	1004·8	− 2·1	267·8	274·1	19th	261·3	238·6	25th	264·6	*264·7*	+1·7	..	..
333	53°—48° N. 20°—15° W.	††50 30	††17 30	§(32)	..	1020·6	..	..	..	Sea temp. 285·8+1·3	..	..	..	..	285·4	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1017·5	1019·2	+ 8·5	284·6	286·3	6th	281·2	275·8	3rd	282·9	283·0	+2·4	90	+ 35
335	Aberdeen	57 10	W 2 6	26·8	1005·1	1008·4	+ 1·3	281·4	287·4	8th	276·5	273·6	24th	278·9	278·8	+1·8	40	− 16
336	Greenwich	51 28	0 0	46·3	1012·6	1018·3	+ 4·9	282·5	286·9	28th	277·2	271·3	26th	279·8	280·0	+2·3	30	− 28
337	Uccle	50 48	E 4 22	100	1006·3	1018·8	+ 2·1	278·6	285·2	28th	273·7	260·6	5th	276·1	276·4	+0·1	58	− 18
338	De Bilt	52 6	5 11	3·0	1016·4	1016·8	+ 1·6	279·1	285·7	29th	272·7	257·1	5th	275·9	276·2	+1·1	57	+ 5
338a	Hamburg	53 33	9 58	40·3	1009·1	1014·1	+ 0·3	277·1	284·4	28th	272·9	265·1	14th	275·0	*275·3*	+0·9	97	+ 58
339	Copenhagen	55 41	12 36	5·0	1008·6	1009·2	− 4·1	277·2	281·7	17th	273·2	268·8	6th	275·2	*275·5*	+0·1	81	+ 39
340	Potsdam	52 23	13 4	84·9	1005·1	1015·8	+ 0·4	275·5	283·4	28th	270·5	255·4	14th	273·0	272·9	−0·8	68	+ 27
340a	Upsala	59 51	17 38	24	1000·0	1003·0	− 8·0	272·9	275·9	27th, 28th	268·7	260·0	25th	270·8	271·0	+1·5	84	+ 43
341	Warsaw	52 13	21 1	133	998·4	1015·4	− 1·6	273·2	280·5	22, 23, 29	267·3	252·8	13th	270·2	270·2	−0·5	51	+ 6
342	Dorpat (Jurjev)	58 23	26 43	74·5	996·7	1006·2	− 6·8	269·9	275·4	24th	264·7	249·4	10th	267·3	267·5	−0·6	46	− 1
343	Petrograd	59 56	30 16	4·8	1004·6	1005·2	− 7·5	269·1	275·3	28th	263·4	250·3	10th	266·2	*266·4*	−0·8	40	+ 1
344	Kiev	50 27	30 30	183	994·0	1017·4	− 1·3	269·5	276·7	22nd	264·1	248·7	13th	266·8	*267·1*	−1·6	16	− 21
344a	Moscow	55 50	37 33	167	990·4	1012·0	− 5·6	266·1	274·2	24th	260·7	246·9	12th	263·4	*263·7*	−2·2	23	− 13
345	Saratov	51 33	45 57	?122	1000·0	1016·0	− 5·5	266·2	274·4	30th	259·4	245·2	12th	262·8	*263·0*	−2·1	25	− 11
346	Kazan	55 47	49 8	79·9	1003·6	1014·1	− 5·2	265·1	274·2	31st	259·4	242·1	10th	262·2	*262·3*	−0·1	35	− 1
347	Orenburg	51 45	55 6	109	1003·9	1018·3	− 5·3	263·4	273·3	10th, 31st	256·6	237·5	13th	260·0	*260·2*	−1·1	23	− 11
348	Perm	58 1	56 16	163	993·6	1015·2	− 3·7	260·6	269·3	22nd, 31st	254·4	234·6	12th	257·5	*258·1*	−1·9	27	− 7
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	979·2	1016·4	− 4·6	259·7	271·6	27th	254·0	239·6	11th	256·8	*256·8*	−2·1	17	− 1
350	Tobolsk	58 12	68 14	108	1002·4	1016·9	− 4·0	259·3	271·5	27th, 28th	252·2	235·6	12th	255·8	*255·5*	−0·5	14	− 3
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1005·0	1019·5	− 5·4	..	269·8	27th	253·2	242·1	6th, 7th	..	*257·4*	+1·4	7	− 7
353	Barnaoul	53 20	83 48	162	1004·2	1025·8	− 3·8	264·4	275·5	3rd	254·8	242·6	15th	259·6	*259·4*	+1·9	53	+ 39
354	Tomsk	56 30	84 58	122	1006·2	1022·6	− 4·2	..	273·0	3rd	253·8	237·7	13th	..	*257·6*	+1·8	83	+ 69
355	Minousinsk	53 43	91 41	249	994·6	1027·6	− 4·3	..	273·3	2nd	254·9	240·3	15th	..	*259·7*	..	19	+ 6
356	Eniseisk	58 27	92 10	77·6	1014·3	1025·0	− 2·1	..	274·8	3rd	246·2	226·9	13th	..	*252·0*	−0·3	22	− 4
357	Irkutsk	52 16	104 19	467	967·4	1029·1	− 2·6	261·3	271·2	4th	251·3	237·7	31st	256·3	*256·6*	+1·4	14	− 12
358	Kirensk	57 47	108 7	263	992·0	1028·8	− 1·6	..	269·8	11th	239·6	224·6	30th	..	*245·8*	−2·2	16	− 20
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	973·6	1025·6	..	254·7	262·4	24th	241·6	232·4	15th	248·2	*248·1*	..	4	+ 6
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1003·5	1023·0	+ 1·2	255·6	262·4	13th	245·1	235·8	20th	250·4	*250·2*	−0·6	7	− 17
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	..	273·0	15th	262·8	253·3	31st	..	*264·9*	−0·2	71	− 17
369																		
371	Âttu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

DECEMBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1011·2	1020·0	+ 3·2	278·6	286·3	10th	274·1	264·1	19th	276·3	275·9	−1·7	141	+ 9
412	Portland, Oregon	45 32	122 41	46·6	1014·9	1020·3	+ 1·5	279·7	289·7	12th	274·2	266·9	19th	276·9	*276·8*	−1·4	78	+101
413	Macleod	49 44	113 24	953	..	..	..	273·3	285·8	13th	263·3	242·4	20th	268·3	*268·3*	−0·4	10	− 4
414	Helena	46 34	112 4	1253	875·8	1023·7	+ 2·9	271·7	289·7	12th	263·1	245·8	19th	267·4	*267·4*	−2·0	29	+ 9
414a	Salt Lake City	40 46	111 54	1329	870·6	1021·3	0·0	279·6	287·4	15th	271·3	264·7	17th	275·4	*275·5*	+2·4	58	+ 23
415	Cheyenne	41 8	104 48	1856	812·5	1020·0	+ 1·2	277·9	288·6	13th	266·1	250·8	24th	272·0	*272·8*	+1·5	33	+ 22
416	North Platte	41 8	100 45	859	920·2	1023·0	+ 3·2	279·4	293·0	13th	265·2	252·4	24th	272·3	*271·0*	+1·0	4	− 11
416a	Bismarck	46 47	100 38	511	958·8	1022·3	+ 2·6	270·2	283·6	13th	260·9	241·9	25th	265·6	*265·8*	+2·2	7	− 8
417	Winnipeg	49 53	97 7	232	988·2	1018·6	+ 0·7	266·3	275·8	10th	256·9	240·8	23rd	261·6	*261·3*	+3·2	13	+ 12
418	Duluth	46 47	92 6	345	974·2	1017·6	− 0·1	267·8	278·0	10th	259·0	243·0	24th	263·4	*263·1*	−0·8	18	− 5
419	Port Arthur	48 27	89 12	196	990·8	1016·1	− 1·2	268·0	276·3	1st	259·7	243·0	24th	263·8	*263·7*	+0·9	17	+ 4
420	Chicago	41 53	87 37	251	986·6	1017·6	− 1·0	276·7	286·9	1st	269·9	259·7	25th	273·3	*273·7*	+1·5	118	+ 67
421	Toronto	43 40	79 24	116	1001·0	1015·8	− 1·7	274·7	283·6	2nd	266·9	255·2	22nd	270·8	*270·7*	+1·0	61	+ 11
422	New York (Central Park)	40 47	73 58	47·4	1010·9	1016·9	− 3·5	277·2	288·0	1st	269·4	259·1	22nd, 30th	273·3	*273·6*	−0·7	59	+ 28
423	St. John, N.B.	45 17	66 4	36·2	1006·6	1011·2	− 2·9	273·0	284·1	18th	264·1	251·9	22nd	268·6	*268·1*	−0·2	77	+ 29
424a	S.W. Point, Anticosti	49 24	63 33	9·1	1007·0	1008·2	− 2·0	270·1	277·4	18th, 19th	263·8	252·2	30th	266·9	*267·1*	+0·5	70	+ 15
424	Sable Island (Main Station)	43 57	60 6	7·6	1008·1	1009·0	− 2·3	281·1	285·2	18th	269·1	263·0	7th	275·1	*275·2*	−0·2	169	+ 32
425	Port aux Basques	47 35	59 10	9·1	1005·6	1006·8	− 3·1	273·0	281·3	12th	268·0	260·8	17th	270·5	*270·5*	−0·3	116	− 19
426	St. John's, Newfoundland	47 34	52 42	38·1	996·1	1000·9	− 8·1	274·7	285·2	14th	269·1	261·9	26th, 27th	271·9	*271·7*	+0·6	168	+ 25
430	50°—45°N. 35°—30°W.	††48 53	††32 47	§(24)	..	1017·8	..	..	..	Sea Temp. 285·0—1·2	..	..	..	..	284·1	..	..	..
435	Madrid	40 24	3 41	667	942·6	1022·7	+ 1·5	282·3	285·2	29th	273·1	269·8	23rd	277·7	*277·1*	−0·8	28	− 21
436	Nantes	47 15	W 1 34	36·5	1018·4	1022·9	+ 4·7	282·5	287·0	9th	277·7	269·0	4th, 7th	280·1	280·2	+2·5	40	− 45
437																		
438	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1015·8	1022·0	+ 3·8	279·9	286·5	18th, 28th	274·8	267·1	5th	277·4	277·6	+1·9	36	E 6
438a	Marseille	43 18	5 23	75	962·9	1016·9	+ 0·6	284·9	290·4	10th	275·8	267·8	15th	280·4	*280·0*	+0·3	62	+ 8
439	Zurich	47 23	8 33	493	962·9	1023·6	+ 3·2	276·5	285·7	28th	271·5	263·7	15th	274·0	273·9	+1·5	43	− 30
440	Rome	41 54	12 27	45·5	1010·4	1015·8	+ 0·5	284·6	287·8	30th	276·4	272·3	18th	280·5	*280·2*	−0·8	80	+ 10
440a	Vienna	48 15	16 22	203	994·9	1020·3	+ 0·9	276·6	287·4	29th	270·8	260·1	13th	273·7	273·5	+1·0	45	+ 3
441	Budapest	47 31	19 2	130	1003·2	1019·6	+ 0·9	276·1	284·5	22nd	271·3	263·7	2nd	273·7	*273·8*	+0·8	32	− 22
442	Sofia	42 42	23 20	550	953·2	1020·8	+ 0·9	275·5	282·1	20th	270·1	259·8	18th	272·8	*272·8*	−0·4	11	− 22
	Bucharest	44 25	26 6	82	1009·5	1020·0	− 0·4	273·6	281·4	21st	267·2	257·6	17th	270·4	270·3	−2·3	87	+ 47
443	Odessa (University)	46 29	30 46	65·3	1010·9	1019·3	− 0·1	..	..	..	267·2	257·0	12th	..	*269·9*	−2·5	0	− 30
444	Kharkov (University)	50 0	36 14	140	999·6	1017·7	− 3·7	268·2	275·7	24th	261·9	246·9	14th	265·0	*265·1*	−2·9	30	− 5
444a	Novorossiisk	44 44	37 49	37·1	1012·6	1017·3	− 1·8	278·4	285·5	1st	271·0	261·5	3rd	274·7	*275·0*	−2·9	109	+ 19
445	Tiflis	41 43	44 48	404	971·1	1020·6	− 2·5	278·9	284·9	11th	272·5	268·2	27th	275·7	275·4	−0·4	24	+ 2
446	Astrakhan	46 21	48 2	— 20	1020·3	1017·8	− 5·0	271·6	279·2	9th	264·7	249·0	13th	268·2	*268·1*	−1·8	6	− 8
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1021·8	1018·9	− 3·6	276·1	283·0	10th	270·5	260·9	13th	273·3	*273·2*	+0·4	9	− 5
448	Krasnovodsk	40 0	52 59	— 5·9	1019·2	1018·5	− 3·7	281·1	287·1	11th	275·8	268·2	15th	278·4	*278·1*	−0·9	4	− 11
449	Kasalinsk	45 46	62 7	67	1013·8	1022·4	− 2·0	271·6	280·2	2nd	265·6	254·0	13th	268·6	*268·7*	+2·5	11	− 2
450	Tachkent	41 20	69 18	478	964·3	1022·7	− 3·6	281·2	291·2	11th	272·4	265·7	8th	276·8	*276·3*	+1·0	49	+ 11
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata (Vernyi)	43 16	76 53	841	..	..	..	275·2	287·0	5th	265·5	254·8	15th	270·3	*270·0*	..	36	..
461	Moukden	41 48	123 23	43·8	1020·8	1026·6	0·0	271·1	281·2	6th	260·0	248·8	23rd	265·5	265·0	+2·4	6	0
463	Joshin	40 40	129 11	31·9	1018·2	1022·3	+ 1·9	275·9	283·0	17th	267·1	259·7	24th	271·5	271·3	+2·2	15	− 22
464	Yuki	42 20	130 24	65·6	1013·7	1022·2	+ 1·0	271·6	281·8	14th	263·2	254·5	22nd	267·4	267·3	+0·7	9	− 2
465	Vladivostok	43 7	131 55	27·4	‡1008·5	‡1012·1	+ 0·2	267·6	276·2	14th	257·5	245·8	25th	262·5	263·5	0·0	78	+ 8
466	Nemuro	43 20	145 35	26·7	1008·2	1011·6	+ 0·5	274·0	279·3	17th	267·7	261·7	23rd	270·9	271·2	−0·3	49	− 11
466a	Syana	45 14	147 53	39·3	1004·4	1009·4	+ 0·5	272·8	279·1	14th	266·9	260·2	28th	269·9	269·9	−0·8	95	− 17
		N.	E.															

Between Latitude 40° N. and 30° N. — DECEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1012·1	1017·9	− 2·4	287·3	291·9	3rd	281·9	279·7	25th	284·6	*284·2*	+0·7	162	+ 58
512	San Luis Obispo	35 18	120 39	61·3	1007·3	1017·9	− 1·8	292·2	300·8	11th	279·8	273·0	7th	286·0	*284·9*	+0·3	183	+ 86
513	San Diego	32 43	117 10	26·5	1014·4	1017·6	− 0·3	292·1	299·1	10th	284·2	280·8	7th	288·2	*288·1*	+1·9	235	+191
514	Modena	37 48	113 54	1670	835·4	1020·3	− 1·0	281·0	293·6	13th	267·7	256·3	17th	274·3	*273·2*	+3·4	54	+ 41
515	Santa Fé	35 41	105 57	2138	788·5	1020·6	+ 2·1	280·6	287·4	14th	270·5	260·2	4th	275·6	*275·2*	+3·1	22	+ 4
516	Denver	39 45	105 0	1613	838·0	1020·6	+ 2·1	281·4	295·2	13th	268·4	255·8	24th	274·9	*274·7*	+1·6	22	+ 4
517	Abilene	32 23	99 40	530	958·0	1020·3	+ 0·9	291·0	300·2	28th	274·6	263·6	25th	282·8	*281·8*	+1·6	3	− 28
518	Saint Louis	38 38	90 12	173	998·1	1019·3	− 0·9	280·7	289·7	6th	272·6	264·1	25th	276·7	*276·3*	+1·4	73	+ 19
519	Mobile	30 41	88 2	17·4	1018·0	1020·0	− 0·6	292·2	297·4	3rd	281·9	274·7	26th	287·1	*286·9*	+3·1	141	+ 21
520	Nashville	36 10	86 47	166	1000·2	1020·3	− 0·7	284·9	292·4	23rd	275·4	269·7	10th	280·1	*280·3*	+2·2	45	− 56
521	Charleston	32 47	79 56	14·6	1017·8	1019·6	− 1·2	290·6	297·4	24th	280·9	275·2	30th	285·8	*285·4*	+1·7	13	− 61
522	Washington	38 54	77 3	34·1	1014·0	1018·3	− 1·8	280·3	291·9	1st	272·2	261·9	22nd	276·3	*276·3*	+1·0	50	− 32
523																		
524	Bermuda	32 17	64 46	46·0	1011·7	1017·2	− 1·5	294·1	298·0	4th	288·0	283·6	31st	291·1	*290·8*	−0·5	169	+ 47
530	Santa Cruz (Flores)	39 27	31 9	28	1023·9	1027·0	+ 7·4	290·9	292·6	26th	287·0	283·3	21st	288·9	*289·2*	+0·5	72	−118
531	Horta	38 32	28 38	65	1021·1	1028·3	+ 7·6	290·5	292·8	10th	286·6	283·2	22nd	288·5	288·3	−0·3	30	− 92
532	Ponta Delgada	37 44	25 40	22	1026·8	1028·7	+ 7·2	289·9	291·9	2nd	287·2	284·3	19th	288·5	288·4	−0·1	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	89	− 36
533	Madeira (Funchal)	32 37	16 54	25	‡1024·0	‡1027·0	+ 5·4	292·1	293·3	22nd	286·5	284·1	28th	289·3	*289·2*	0·0	28	− 54
534																		
535																		
535a	Lisbon	38 43	9 9	95	1013·9	1025·5	+ 5·0	286·9	289·5	16th, 29th	281·2	277·0	21st	284·1	*284·1*	+0·1	25	− 78
536	Melilla	35 18	2 59	8	1022·0	1023·0	+ 3·1	290·8	..	..	279·8	..	..	285·3	*287·1*	−1·8	31	− 18
536a	Gibraltar	36 6	5 21	16·2	1020·8	1022·9	+ 2·8	289·8	292·4	5, 12, 31	281·8	279·7	21st	285·8	*285·8*	−0·5	85	− 57
	Co.omb-Béchar	31 6	4 6	786	929·8	1021·6	..	289·9	295·0	9th	274·6	271·0	27th	282·3	*281·0*	..	0	..
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

RÉSEAU MONDIAL.

DECEMBER—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1016·7	1019·5	+ 2·0	287·6	291·0	1st, 10th	279·7	275·2	26th	283·6	..	−1·3	54	
538	Algiers (Bouzaréah)	36 48	3 2	342	979·4	1019·6	+ 0·6	285·2	289·7	1st	281·1	275·3	25th	283·2	283·0	−1·0	199	
539	Tunis	36 48	10 10	21	1012·6	1015·1	..	288·4	294·0	1st	282·0	277·5	16th	285·2	*285·2*	+0·9	74	
539*a*	Malta	35 54	14 31	56·4	..	1015·1	− 1·2	288·4	293·5	3rd	284·6	281·4	14th	286·5	*286·0*	−0·9	88	
540	Riposto	37 41	15 14	14·2	..	1016·1	− 1·6	288·0	292·0	3rd	282·4	279·2	19th	285·2	*284·8*	−0·6	82	
541	Athens	37 58	23 43	107	1002·9	1015·9	− 0·7	286·9	291·5	20th	280·8	277·2	13th	283·9	283·5	+0·1	70	
542	Alexandria	31 12	29 53	32·0	1013·1	1017·0	− 0·9	293·6	296·4	7th	285·0	282·1	28th	289·3	*289·4*	+0·3	42	
543ϕ	Nicosia (P.W.D.)	35 9	33 22	159	997·0	1015·9	− 1·9	289·0	291·9	7th	279·4	275·8	20th, 23rd	284·2	..	−0·4	78	
544	Beirut	33 54	35 28	33·7	..	1016·2	− 1·5	290·9	296·9	1st	285·6	281·9	28th	288·2	*287·9*	−0·4	333	
545	Baghdad	33 21	44 28	38·1	1014·3	1019·0	− 1·6	287·4	291·6	13th	280·2	275·1	22nd	283·8	*284·8*	−0·8	46	
546	Lenkoran	38 46	48 51	— 20·0	1021·5	1019·1	− 3·3	..	284·7	11th	275·8	271·6	22nd	..	*278·5*	−0·9	110	
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	
548	Meshed	36 16	59 35	946	880·6	..	..	281·7	292·9	12th	272·1	267·7	3rd	276·9	..	−0·8	21	
549	Seistan	31 0	61 30	?	..	..	..	288·7	296·3	14th	276·6	273·4	24th	282·7	..	..	31	
550	Quetta	30 11	67 3	1677	835·3	..	− 1·6	284·6	292·2	1st	273·1	269·2	31st	278·8	*278·3*	−0·4	81	
551	Peshawar	34 2	71 37	339	981·0	1021·8	+ 0·4	290·1	295·6	1st	280·1	276·5	14th	285·1	*283·9*	+0·4	101	
551*a*	Lahore	31 34	74 20	214	992·8	1018·5	− 0·7	294·5	298·8	3rd	282·7	277·6	26th	288·6	*287·5*	+1·9	11	
552	Simla	31 7	77 8	2205	783·7	..	+ 1·0	283·1	285·9	2nd	277·8	273·6	31st	280·5	*280·0*	+0·6	35	
552*a*	Leh	34 10	77 42	3503	666·4	..	− 0·4	275·3	281·2	2nd	264·4	260·8	9th, 11th	269·8	*268·7*	+0·9	3	
559	Hankow	30 35	114 17	37·0	1022·5	1027·1	− 1·3	284·3	292·1	15th	277·3	273·0	27th	280·8	*280·6*	+1·6	18	
560	Tientsin	39 10	117 10	5·0	1027·3	1027·9	− 0·3	277·0	282·2	6th	267·1	261·5	22nd	272·1	*272·1*	+1·6	0	
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1026·1	+ 0·2	285·5	297·1	16th	276·2	268·2	26th	280·9	280·0	+1·4	15	
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1017·1	1025·8	+ 1·2	277·6	285·0	15th	269·6	261·9	2nd	273·6	273·0	+0·9	33	
562*a*	Nagasaki	32 44	129 52	133	1006·8	1023·1	+ 1·1	283·6	291·9	17th	277·1	272·2	25th	280·3	280·3	−0·5	47	
563	Kyoto	35 1	135 44	42·9	1015·9	1021·3	+ 2·2	284·8	291·0	17th	273·2	267·7	26th	279·0	277·9	+0·6	37	
564	Tokyo	35 41	139 45	21·3	1015·8	1018·4	+ 2·0	283·4	290·1	17th	273·4	267·7	27th	278·4	278·0	−0·2	47	
565	Kanayama	37 53	140 46	24·6	1015·0	1018·0	+ 2·1	281·4	291·6	17th	270·8	265·7	26th	276·1	275·5	−0·5	31	
566	Miyako	39 38 N.	141 59 E.	30·4	1012·6	1016·4	+ 2·2	281·1	286·6	17th	269·8	263·6	23rd	275·5	274·6	−0·6	27	

DECEMBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1017·3	+ 0·9	295·6	299·7	3rd	290·1	285·8	16th	292·8	*292·4*	..	67	
605	Honolulu	21 19	157 52	11·6	1015·0	1016·3	0·0	297·7	301·3	..	293·4	290·8	..	295·6	*295·3*	+0·2	155	
614	La Paz	24 10	110 20	12	1013·3	1014·7	..	300·3	302·4	5th	286·6	283·4	8th, 9th	293·5	..	..	3	
615	Chihuahua	28 38	106 4	1423	862·8	1021·2	..	291·8	297·5	18th, 20th	275·8	268·2	4th	283·8	*283·6*	..	1	
616	Leon	21 7	101 41	1809	820·8	1012·2	− 0·9	294·9	298·0	13th	280·9	277·5	29th	287·9	*288·2*	+1·6	8	
616*a*	Monterry	25 40	100 18	528	957·6	1018·4	..	296·5	303·8	13th	284·0	278·2	19th	290·4	*290·1*	..	0	
617	Tulancingo	20 5	98 22	2180	794·3	..	..	291·0	295·0	..	278·4	274·0	..	284·7	284·7	−0·3	2	
618	Galveston	29 18	94 50	16·5	1018·5	1020·6	+ 0·4	292·6	298·0	3rd	284·8	276·3	25th	288·7	*288·6*	+2·1	70	
618*a*	New Orleans	29 57	90 4	16·2	..	1020·3	+ 0·1	293·7	301·3	3rd	284·2	276·9	18th	289·0	*288·6*	+3·2	89	
619	Merida, Yuc.	20 58	89 38	22	1015·2	1017·8	..	300·7	303·0	2nd, 3rd	292·3	289·2	1st	296·5	*296·0*	..	17	
620	Havana	23 8	82 21	24·3	..	1018·3	+ 0·5	300·5	303·8	4th	293·0	289·0	1st	296·7	*296·1*	+0·9	47	
620*a*	Key West	24 33	81 48	6·7	1017·9	1018·6	− 0·1	298·3	301·3	3rd	293·7	290·2	6th	296·0	*295·4*	+1·3	9	
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	298·0	..	..	292·4	..	..	295·2	*295·1*	−0·4	7	
622	Watling Island	24 6	74 26	33·5	1013·6	1017·5	+ 0·2	..	303·0	5th, 6th	..	293·0	29th	..	*298·1*	..	..	
633	Izaña	28 19	16 30	2367	768·0	..	..	278·4	285·6	6th	272·1	267·8	20th	275·3	*275·5*	−1·8	42	
634	La Laguna	28 28	W16 20	547	958·2	1022·4	+ 3·6	288·8	291·3	5th	283·7	279·5	11th	286·2	*285·7*	−0·3	59	
641	Siwa	29 12	E 25 29	— 23	1019·2	1016·4	..	293·3	299·4	7th	280·2	275·2	13th	286·8	..	..	4	
642																		
643	Cairo (Helwan)	29 52	31 20	116	1003·8	1017·5	− 1·3	292·4	298·4	7th	282·8	279·3	27th	287·6	*287·3*	−0·1	27	
643*a*	Aswan	24 2	32 53	99·6	1004·7	1016·4	− 0·6	298·9	308·0	21st	284·8	281·0	28th	291·8	*290·6*	+0·9	..	
644	Tor	28 14	33 37	1·9	1016·4	1016·7	− 0·3	295·0	298·6	8th	283·1	279·0	29th	289·0	*288·7*	+0·3	5	
647	Bushire	28 59	50 53	4·3	1018·6	1019·1	− 0·1	291·6	297·5	12th	285·4	280·8	23rd	288·5	*288·1*	−1·1	77	
648	Jask	25 44	57 47	4·0	1017·2	1017·6	− 1·1	298·8	300·9	2nd	290·4	287·4	23rd, 24th	294·6	*294·2*	+0·1	22	
649	Karachi	24 53	66 57	4·0	1017·6	1017·9	− 0·4	298·6	301·9	3rd	289·4	286·1	25th	294·0	*293·6*	+0·5	33	
650	Jacobabad	28 17	68 29	56·7	1012·1	1018·9	− 0·3	292·8	300·1	2nd	283·2	279·1	31st	288·0	*287·2*	−0·8	62	
651	Jaipur	26 56	75 52	436	968·1	1019·2	− 0·3	299·6	301·6	7th, 22nd	284·4	278·7	10th	292·0	*290·8*	+1·4	3	
652	Nagpur	21 8	79 5	310	982·4	1018·4	+ 0·5	302·2	303·8	24th	285·1	282·9	13th	293·7	*293·3*	+0·7	0	
653	Allahabad	25 25	81 51	94·1	1008·0	1018·7	+ 0·6	299·6	302·6	23rd	283·7	279·8	28th	291·6	*290·5*	+2·0	0	
653*a*	Darjeeling	27 3	88 18	2266	778·0	..	+ 0·2	282·7	284·5	3, 7, 22	276·3	274·9	14th	279·5	*279·0*	+0·4	1	
654	Calcutta	22 36	88 23	6·4	1016·6	1017·4	0·0	299·2	300·4	7th	286·9	284·6	13th, 29th	293·1	*292·6*	+1·1	0	
655	Gauhati	26 8	91 41	59·7	1011·9	1019·0	+ 0·6	297·2	301·2	5th	285·0	282·5	17th	291·1	*290·5*	+0·7	1	
655*m*	Cherrapunji	25 15	91 42	1314	871·6	..	+ 0·6	289·8	291·9	1st	281·8	279·5	31st	285·8	*285·1*	+0·1	0	
655*a*	Akyab	20 11	92 56	6·1	1015·0	1015·7	+ 0·1	298·6	300·7	26th	288·9	287·5	30th, 31st	293·7	*293·0*	−1·7	0	
656	Mandalay	21 59	96 0	76·2	1008·6	1017·6	+ 0·7	301·3	302·4	1, 2, 25	287·2	285·5	21st	294·3	*293·6*	−0·5	0	
656*a*	Tengyueh	25 2	98 33	1625	837·1	1015·8	+ 1·0	289·8	292·4	3rd	274·3	272·4	21st	282·0	*281·1*	−0·5	3	
657	Phu Lien	20 48	106 38	116	1004·9	1018·5	− 1·4	296·2	300·9	15th	289·4	286·5	25th	292·8	292·0	+1·4	22	
658	Moncay	21 31	107 51	9	1018·0	1019·1	− 0·8	295·2	298·6	16th	287·7	282·5	11th	291·5	*291·8*	+1·2	26	
659	Hongkong	22 18	114 10	33·2	..	1019·4	− 0·3	293·7	297·4	17th	289·3	285·4	23rd	291·5	291·1	+1·1	0	
660	Amoy	24 27	118 4	ca.3	1019·9	1020·3	− 0·5	293·0	296·3	15th	287·7	283·0	25th	290·4	*290·2*	+0·8	5	
661	Taihoku, Formosa	25 2	121 31	9·3	1019·7	1020·8	+ 0·2	293·8	301·0	15th	287·3	284·7	24th, 31st	290·5	290·0	+0·2	27	
661*a*	Basco	20 28	121 59	18·7	1011·9	1014·3	+ 0·1	298·2	301·0	20th	293·6	291·1	7th	295·9	*296·1*	+0·2	207	
662	Naha	26 13	127 41	10·5	1018·8	1020·0	+ 0·1	294·3	299·3	17th	287·9	284·0	27th	291·1	290·7	+0·1	123	
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1016·9	1017·4	+ 0·2	294·8	298·2	1st	289·9	286·6	31st	292·3	292·1	−0·4	242	

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ϕ For Cairo *see* No. 643.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

DECEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	957·6	1014·5	..	302·7	305·5	27th	293·8	291·4	30th	298·2	*297·5*	..	0	..
716	Morelia	19 42	101 7	1923	812·5	1015·4	..	294·3	296·5	14th	281·5	279·0	29th	287·9	*287·5*	..	13	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·5	..	+ 1·3	293·9	296·0	13th	277·2	274·3	22nd	285·5	285·1	−0·1	0	− 6
718	Salina Cruz	16 12	95 12	56	1007·7	1014·2	..	301·8	304·8	4th	295·1	292·3	12th	298·4	*297·9*	..	0	..
719	San Salvador	13 42	89 13	682	936·8	1012·8	+ 1·5	303·5	305·2	4, 17, 18	288·2	285·2	15th	295·9	*294·5*	−0·8	5	− 8
720	Belize	17 29	88 12	5·2	1015·3	1015·9	+ 0·1	..	..	..	292·8	288·6	14th	..	‡*296·2*	..	129	− 64
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·6	+ 0·1	302·9	305·2	9th	293·4	291·3	22nd	298·2	*297·9*	−0·1	32	− 22
722	Port au Prince	18 33	72 20	37·4	1010·7	1015·0	+ 0·4	303·8	306·0	15th	293·6	291·6	31st	298·7	*298·0*	+0·2	43	+ 2
723	Caracas	10 30	66 55	1042	899·2	1014·2	+ 0·8	296·7	299·1	22nd	287·2	284·1	16th	291·9	*290·9*	−0·7	91	+ 47
723*a*	Montserrat	16 41	62 9	39·6	1009·1	1013·7	− 0·9	301·9	304·7	29th	294·9	292·4	29th	298·4	*297·9*	+0·2	117	− 18
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·4	‡1012·3	+ 0·2	301·4	303·0	2, 4, 8	296·0	294·1	25th, 26th	298·7	*298·1*	+0·1	259	+ 74
	Barbados	13 8	59 36	55·2	..	1012·8	− 0·4	301·3	302·2	6th	295·0	293·4	21st	298·1	*297·2*	0·0	70	− 37
731	São Vicente, C. Verde Is.	16 54	25 4	11	1012·7	1014·0	− 0·6	297·4	299·0	4th, 5th	..	..	..	..	*295·5*	−0·1	2	− 5
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1010·6	1015·2	+ 0·6	298·5	300·2	28th	294·6	293·8	26th, 30th	296·6	*296·6*	−0·1	0	− 8
734	Bathurst	13 27	16 36	1·8	1013·5	1013·6	+ 0·8	301·9	305·2	4th	289·4	287·4	8th	295·7	*295·7*	−1·4	0	− 2
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	307·7	309·7	2nd	292·1	288·6	21st	299·9	..	+1·5	0	− 1
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	0	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	307·9	312·4	19th	290·1	286·9	9, 10, 13	299·0	*298·6*	+2·2	0	0
738	Kaduna Capital	10 32	7 25	637	944·1	1015·2	+ 0·6	305·9	308·0	18th	288·7	285·8	8th	297·3	*296·8*	+1·1	0	0
739	Hadejia	12 40	10 5	?	..	..	..	309·2	313·6	4th	283·5	280·2	11, 23, 30	296·3	*295·8*	+1·4	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	308·6	313·0	8th	288·4	285·2	11th, 12th	298·5	*298·1*	+2·2	0	0
741	El Fasher	13 32	25 18	730	..	..	..	306·8	310·9	10th, 22nd	284·1	280·0	28th, 30th	295·4	*294·4*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	306·1	311·6	10th	288·5	283·1	27th	297·3	*296·6*	+3·2	0	0
743*a*	Khartoum	15 37	32 33	390	966·7	1009·7	− 2·9	305·9	312·8	10th	291·0	280·4	27th	298·5	*299·9*	+3·2	0	0
744	Port Sudan	19 37	37 13	5·5	1013·8	1014·4	+ 0·2	302·1	304·4	10th	295·4	292·3	31st	298·8	*298·3*	+0·9	4	− 13
745	Berbera, Somaliland	10 22	45 2	0·5	1014·3	1015·3	− 0·8	303·9	306·3	7th	292·2	289·7	18th, 26th	298·1	*299·0*	−0·3	0	− 2
746	Aden	12 45	45 3	28·7	1010·1	1013·4	− 0·8	300·1	301·4	20th	296·2	294·2	10th	298·1	*297·7*	−0·1	2	− 1
751	Bombay	18 54	72 49	11·3	1014·0	1015·3	− 0·1	302·7	304·7	11th	294·5	292·6	24th, 30th	298·6	297·7	+0·4	0	− 2
752ϕ	Kodaikanal	10 14	77 28	2343	771·4	..	− 0·4	291·9	295·7	3rd	281·4	277·9	25th	286·7	*285·7*	+0·9	148	+ 20
752	Bangalore	12 59	77 38	920	913·4	1015·8	+ 0·2	299·6	301·6	18th	286·8	284·9	21st, 25th	293·2	*292·7*	0·0	1	− 11
753	Madras	13 4	80 14	6·7	1014·6	1015·4	+ 0·2	302·1	303·2	3rd	293·7	290·7	22nd	297·9	*297·4*	+0·2	51	−101
754	Vizagapatam	17 42	83 19	11·6	1015·8	1017·1	+ 0·8	300·4	301·9	12th	292·8	290·0	23rd	296·6	*296·2*	..	0	− 22
755	Port Blair	11 40	92 40	18·0	1010·2	1012·3	− 0·6	302·3	303·0	10th	297·9	295·9	28th	300·1	*299·7*	−0·2	41	−133
756	Rangoon	16 46	95 48	5·5	1014·9	1015·6	+ 0·6	303·7	305·2	29th	292·5	290·4	31st	298·1	*297·2*	0·0	0	− 9
757	Saigon	10 47	106 42	11	1010·4	1011·5	+ 0·4	303·9	305·9	28th	294·6	291·2	11th	299·3	*298·7*	+0·6	13	− 49
758	Nhatrang	12 15	109 12	3·6	1013·2	1013·6	+ 0·2	300·5	303·0	16th, 20th	294·1	291·9	31st	297·3	*296·9*	−0·5	60	−132
761	Bolinao	16 23	119 53	7·1	1009·3	1010·2	+ 0·4	303·7	305·8	18th	294·8	292·2	11th	299·3	*298·7*	−0·8	0	− 12
761*a*	Vigan	17 34	120 23	12·2	..	1011·0	+ 0·1	303·7	306·8	25th	294·3	292·2	30th	299·0	299·0	−0·2	0	− 7
762	Manila	14 35	120 59	14·2	..	1011·5	+ 0·4	303·4	305·9	17th, 20th	293·7	290·4	8th	298·5	297·4	−0·7	55	− 22
763	Ormoc	11 0	124 36	5·6	1008·1	1008·8	+ 0·4	304·3	306·2	1st, 25th	294·5	290·3	12th	299·4	*298·8*	+0·3	189	− 5
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1005·4	1008·0	− 0·8	302·2	303·8	6th	297·9	296·5	3rd	300·1	*299·9*	+0·3	72	− 57

Between Latitude 10° N. and 0°.

DECEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	1010·4	1011·0	..	..	..	..	..	..	..	..	‡*301·7*	+0·6	51	−187
821	Colon	9 23	79 23	11·0	..	1011·5	+ 0·8	302·6	303·6	23rd	297·3	295·8	1st	300·0	*299·6*	+0·6	165	−132
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	126	+ 62
822*a*	Merida, Venez.	8 36	71 9	1641	‡ 841·3	..	— 0·1	295·6	297·0	11th, 12th	287·2	285·5	5th	291·4	*290·6*	0·0	70	− 10
824	El Peru, Guayanavieja	7 19	61 49	220	984·7	1009·7	— 0·1	300·7	302·0	29th	293·1	291·6	17th	296·9	*296·4*	−0·8	124	+ 15
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·7	+ 1·0	301·9	303·6	9th	296·6	295·2	11, 18, 25	299·3	*299·1*	−0·3	389	+106
826*a*	Paramaribo	5 49	55 9	3·7	‡1012·5	‡1012·9	+ 0·8	302·4	304·2	7th	295·5	294·0	14th	298·9	*297·3*	−0·5	325	+105
	Cayenne	4 56	52 21	6	..	..	..	302·0	304·0	22nd, 27th	295·5	291·0	19th, 30th	298·7	*297·6*	−1·1	474	+202
833	Konakri	9 4	13 42	16	..	..	..	301·0	302·0	5, 14, 23	296·9	296·0	sev. dates	298·9	*298·5*	−1·3	9	− 10
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·7	1011·6	+ 0·7	303·8	306·3	20th	296·6	294·1	30th, 31st	300·2	*299·3*	−0·2	55	+ 19
835	Assuantsi	5 18	1 15	101	..	..	..	302·8	304·1	27th	294·3	292·4	8th	298·6	*298·0*	..	48	..
837	Accra	5 33	W 0 12	25·1	1007·3	1010·2	..	303·3	304·7	17th	296·6	294·7	7th	299·9	*299·4*	+0·2	24	+ 6
838	Lagos	6 27	E 3 24	6·7	1011·6	1012·3	+ 0·5	303·4	304·4	..	297·2	294·7	..	300·3	*299·9*	−0·3	60	+ 40
839	Zungeru	9 48	6 10	130	..	..	..	309·2	313·0	25th	290·1	284·7	10th	299·7	*299·2*	+0·5	0	− 2
841	Yola	9 12	12 30	259	..	..	..	308·8	310·8	2nd, 16th	..	..	..	..	‡*299·3*	+0·6	0	0
	Wau	7 42	28 3	440	..	..	..	311·9	312·5	13, 16, 31	291·0	288·0	19th, 26th	301·4	*299·4*	+1·6	2	− 2
843	Malakal (Kodok)	9 35	31 37	394	964·3	1008·4	− 1·1	310·3	312·8	31st	292·2	289·6	28th	301·2	*299·8*	+1·8	0	0
843*a*	Mongalla	5 11	31 47	439	959·0	1007·9	0·0	?311·2	?314·0	23rd	..	..	..	..	..	..	4	− 4
844	Entebbe	0 5	32 29	1171	882·8	1008·8	− 0·7	299·4	302·1	1st	289·5	286·9	26th	294·4	*294·2*	+0·2	127	− 2
851	Minicoy	8 17	72 49	2·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
851*a*	Cochin	9 58	76 27	2·7	1012·8	1013·1	+ 0·1	304·7	306·2	8th	294·9	292·8	22nd	299·8	*299·4*	−0·3	7	− 37
852	Colombo Observatory	6 54	79 53	7·3	..	1010·4	— 0·2	304·2	306·5	13th	295·7	294·5	17th	299·9	*299·5*	+0·8	101	− 31
853	Nuwara Elija	6 59	80 46	1886	812·9	1012·0	..	292·7	295·2	24th	282·7	274·9	25th	287·7	*286·9*	+0·4	153	− 72
854	Trincomalee	8 34	81 14	30·2	..	1011·4	+ 0·6	300·7	302·4	31st	296·9	295·1	9th	298·8	*298·4*	−0·1	756	+399
855	Kuta Raja	5 32	95 20	7·1	..	1010·3	— 1·2	..	..	..	..	..	..	..	..	..	135	− 75
856	Medan	3 35	98 41	25·0	..	1010·5	— 0·8	303·0	304·4

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·7	308·4	31st	296·1	293·8	20th	299·9	*299·1*	−0·9	285	+ 80
926	Taperinha	2 30	54 20	20·0	1007·6	1009·8	− 0·4	304·0	306·4	31st	295·7	294·3	20th	299·8	*298·8*	+0·2	54	..
927	Turyassu	1 43	45 26	15·1	1008·4	1010·1	0·0	304·9	306·3	7th, 10th	295·5	293·1	10th	300·2	*299·6*	−0·4	97	+ 39
928	Barra do Corda	5 30	45 16	81·0	999·4	1008·7	− 0·5	303·5	306·6	1st	295·0	292·8	21st	299·2	*298·0*	−0·8	124	+ 56
930	Fernando Noronha	3 50	W32 25	106	..	..	..	307·0	308·3	7th	298·6	297·9	1st, 11th	302·8	*301·9*	+0·3	4	− 57
939	Loanda	8 49	E 13 13	59·3	..	1013·3	+ 2·2	..	..	..	..	..	..	..	..	..	..	..
940	Brazzaville	4 17	15 16	320	‡977·3	‡1013·3	..	298·4	300·0	7, 8, 21	294·4	292·5	16th	296·4	296·4	−1·5	0	− 55
943	Masaka	0 21	31 47	?1280	..	..	..	304·5	308·0	22nd	294·2	292·0	5th, 26th	299·4	*298·7*	+0·6	63	− 17
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	299·8	303·6	28th	288·6	284·7	16th, 25th	294·2	*293·3*	+0·7	91	+ 7
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	298·0	302·4	26th	286·9	280·8	24th	292·4	..	..	54	− 35
944*a*	Zanzibar	6 10	39 11	21·9	1008·2	1010·7	− 0·1	297·4	301·9	26th	..	..	..	..	..	..	39	− 60
945	Lamu	2 16	40 50	3·1	..	..	..	303·3	304·3	27th	299·7	298·2	28th	301·5	*301·0*	+0·5	45	− 60
947	Seychelles, Port Office	4 37	55 27	4·6	1011·0	1011·5	− 0·1	303·0	304·1	30th	298·0	295·2	22nd	300·5	*300·1*	+0·2	0	− 99
957	Padang	0 56	100 22	6·7	..	1009·8	− 1·5	..	..	..	297·7	294·3	30th	..	‡*300·1*	−0·2	406	+ 59
958	Batavia	6 11	106 50	8·0	1008·7	1009·6	+ 0·1	301·9	305·6	8th	296·2	295·2	8th	299·0	298·6	−0·2	295	−190
958*a*	Pontianak	0 1	109 20	2·6	..	1010·4	0·0	..	..	..	..	..	..	..	..	..	532	+317
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	162	−173
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	161	− 7
962	Amboina	3 42	128 10	4·2	..	1008·4	− 0·1	..	..	..	..	..	..	..	..	..	558	+162
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	87	− 56
965	Daru	9 4	143 13	7·6	..	1008·9	0·0	304·1	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	297·3	..	..	300·7	*300·2*	+0·2	185	− 26
967					..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	?1008·6	?1008·9	+ 1·6	?305·3	?308·6	24th	?297·6	?296·9	3, 13, 22	?301·5	*?301·3*	+0·4	232	− 55
970	Ocean Island	0 52	169 35	54·0	1000·9	1007·1	+ 0·4	303·5	304·7	2, 20, 24	297·8	295·8	4th	300·7	*300·0*	−0·2	364	+138
		S.	E.															

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1009·6	+ 1·2	302·6	305·3	26th	296·7	295·2	10th	299·6	299·2	−0·1	337	− 9
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·8	305·2	19th	295·3	289·7	7th	299·1	*298·9*	−0·1	281	+ 25
1021	Arequipa	16 22	71 33	2451	761·2	..	+ 0·8	292·9	295·2	25th	282·9	281·0	9th	287·9	*287·3*	+0·2	97	+ 93
1022	Puerto de Arica	18 28	70 20	5	..	..	..	297·0	298·4	30th, 31st	290·9	289·4	8th	293·9	..	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·1	..	..	290·8	294·2	23rd	281·7	278·8	2nd	286·3	*286·0*	..	58	− 53
1025	Corumba	18 59	57 39	116	994·4	1007·5	− 0·7	308·7	312·2	24th	295·5	293·4	2nd, 8th	302·1	*301·2*	+1·4	77	− 111
1026	Cuyaba	15 36	56 6	165	989·4	1008·0	− 0·3	305·3	309·5	23rd	295·7	294·0	30th	300·5	*299·3*	−1·0	151	+ 43
1027	Bello Horizonte	19 55	43 57	895	913·5	1011·8	+ 0·6	299·2	305·0	17th	290·8	288·6	11th	295·0	*294·7*	+0·6	392	+ 19
1028	Caetite	14 3	42 37	897	915·3	1014·0	+ 1·3	298·5	302·2	11th	290·7	289·2	10, 12, 16	294·6	*295·1*	−0·7	183	+ 235
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·1	1012·4	+ 0·6	301·0	303·0	7th	296·0	294·0	11th	298·5	*298·4*	−0·1	329	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	947·8	1014·1	+ 2·8	296·5	298·6	11th	286·2	284·7	24th	291·3	*291·1*	+1·5	12	− 55
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	294·7	297·5	7th	285·0	283·0	4, f4, 15	289·9	*290·7*	..	0	..
1042	Gwelo	19 28	29 48	1417	860·4	1010·8	− 0·3	299·8	304·7	19th	288·8	286·3	2, 16, 19	294·3	..	−0·1	164	+ 19
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡853·5	‡1009·3	+ 0·5	301·6	305·8	20th	285·9	283·0	20th	293·7	*292·8*	−0·2	133	− 14
1044	Zomba	15 23	35 18	955	904·6	1008·5	− 0·7	299·8	303·6	3rd	291·3	289·7	4th, 19th	295·6	*295·2*	−0·2	279	+ 3
1045	Antananarivo	18 55	47 32	1400	863·5	1013·8	+ 0·1	298·5	301·9	21st	288·4	286·4	9th	293·4	*292·2*	−0·5	376	+ 90
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·6	1011·2	+ 0·2	302·1	304·7	26th	297·2	294·9	2nd, 4th	299·7	*299·3*	−0·3	239	+127
1057	Christmas Island	10 25	105 43	5·5	1004·9	1005·5	− 2·0	303·8	307·4	..	297·1	295·2	..	300·4	*299·8*	+0·3	427	+208
1061	Kupang	10 10	123 34	45·1	..	1008·6	+ 0·3	304·2	306·3	14th	297·0	295·9	16th	300·6	299·9	..	125	−169
1061*a*	Derby	17 18	123 40	16·2	1005·5	1007·3	− 0·2	309·2	313·3	12th	299·6	295·2	8th	304·4	..	+0·6	52	− 61
1062	Hall's Creek	18 13	127 46	374	964·9	1006·2	− 0·9	311·7	315·1	31st	297·8	294·1	16th	304·7	*304·1*	+1·0	42	− 44
1063	Darwin	12 28	130 51	29·6	1003·3	1006·7	0·0	306·1	308·9	9th	298·9	296·3	28th	302·5	*301·3*	0·0	210	− 57
1064	Daly Waters	16 16	133 23	211	979·8	1003·2	− 2·6	311·1	315·2	9th, 10th	297·6	295·2	24th, 27th	304·3	*303·7*	+0·2	70	+ 23
1065	Mein	13 13	142 47	122	991·6	1005·5	− 0·8	306·2	311·1	5th	295·7	292·0	15th	300·9	*300·2*	−0·6	203	+ 24
1066	Georgetown, Queensland	18 22	143 32	302	973·8	1007·6	− 0·3	308·3	313·8	8th	295·4	290·7	11th	301·9	..	+0·1	177	..
1066*a*	Willis Island	16 18	149 59	8·5	1007·3	1008·2	..	302·6	304·7	9th	298·1	296·9	14, 15, 16	300·3	*299·9*	..	241	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8	178 26	6·1	1009·9	1010·6	+ 0·9	302·3	303·9	24th	294·6	293·6	9th, 11th	298·4	*298·2*	−0·7	747	+435
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·2	304·4	8th, 29th	295·7	293·6	17th	298·4	*298·2*	+0·5	434	+256
1121																		
1122	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·3	1015·5	+ 0·7	292·2	294·6	31st	287·0	284·8	3rd	289·6	*289·4*	+0·6	0	0
1123	Iquique	20 12	70 11	9	1013·2	1014·3	+ 0·1	296·8	300·1	29th	289·6	287·9	3rd	293·2	*293·2*	+0·5	0	0
1124	Catamarca	28 27	65 47	510	948·0	1003·8	− 2·2	308·2	314·7	13th	293·3	286·3	3rd	300·7	300·6	+1·3	78	+ 39
	Salta	24 46	65 28	1178	877·1	1004·2	− 3·4	301·6	307·2	15th	289·2	283·2	2nd, 3rd	295·4	295·6	+0·8	213	+106
1125	Goya	29 9	59 15	26	1005·8	1008·8	− 0·5	308·0	314·0	13th	293·6	285·5	1st	300·8	300·0	+2·3	69	− 46
1126	Asuncion	25 21	57 37	93	998·6	1009·0	+ 0·2	310·8	316·5	11th	295·0	285·0	11th	302·9	302·8	+3·3	110	− 41
1127	Curityba	25 25	49 17	908	912·3	1012·3	+ 0·4	299·5	306·0	15th	287·7	282·0	10th	293·6	*292·4*	−0·1	122	− 38
1128	Rio de Janeiro	22 54	W43 10	61·4	1006·0	1013·2	+ 1·4	300·2	306·1	25th	293·9	291·1	9th	297·0	296·7	−0·6	65	− 74
1139	Windhoek	22 35	E 17 5	1680	..	..	..	303·3	306·0	20th	288·7	283·5	10th	296·0	*295·9*	−0·4	3	− 47
1140																		
1141	Kimberley	28 42	24 47	1202	879·6	1008·4	− 0·3	302·6	307·4	26th	287·8	281·2	29th	295·2	295·2	−1·7	34	− 15
1141*a*	Johannesburg	26 11	28 4	1806	820·9	1010·1	− 0·7	296·9	301·9	18th	285·2	280·2	14th	291·1	*290·7*	−0·3	169	+ 31
1142	Pretoria (Brooklyn)	25 46	28 13	1400	860·9	1011·0	− 0·4	297·4	305·2	18th	286·9	283·6	31st	292·2	*291·8*	−2·1	122	− 4
1142*a*	Bulwayo	20 9	28 35	1340	866·3	1009·4	− 0·8	299·6	304·1	19th	288·4	282·9	18th	294·0	*293·5*	−1·1	160	+ 29
1143	Durban	29 52	31 3	15·2	1012·8	1014·6	− 0·9	299·4	303·0	9th	292·9	288·6	15th	296·2	*295·8*	0·0	246	+116
1144	Lourenço Marques	25 58	32 36	59	..	1012·3	− 1·0	302·1	307·7	10th	293·8	291·0	1st	298·0	297·5	−0·1	159	+ 58
1147	Mauritius	20 6	57 33	55·2	1005·7	1012·0	− 2·0	302·9	306·6	24th	294·7	290·2	7th	298·8	298·5	+0·1	69	− 51
1159	Onslow	21 43	114 57	4·3	1006·4	1006·9	− 0·3	308·6	314·7	15th, 16th	294·2	289·6	3rd	301·3	..	−0·4	0	− 3
1160	Peak Hill	25 38	118 47	588	940·5	1004·9	− 0·8	311·2	315·2	19th	295·7	290·8	3rd	303·4	..	+0·4	34	+ 19
1161	Nullagine	21 53	120 5	386	962·0	1004·5	− 1·2	313·7	316·9	22nd	297·8	294·4	6th	305·8	..	+1·2	8	− 26
1162	Laverton	28 40	122 23	466	958·1	1010·1	+ 0·6	307·6	314·7	19th	292·8	284·2	1st	300·2	*300·0*	−0·2	28	+ 10
1163	Alice Springs	23 38	133 37	587	941·2	1006·2	− 2·0	307·9	313·0	14th	292·7	287·4	12th, 16th	300·3	*300·3*	−0·6	44	+ 4
1164	William Creek	28 55	136 21	76·2	1001·4	1010·1	0·0	307·4	314·1	13th	292·5	285·8	3rd, 8th	300·0	*299·6*	−0·6	14	+ 4
1165	Boulia	22 55	139 38	146	989·6	1006·0	+ 0·2	310·1	315·2	1st	296·2	292·9	9th	303·2	*303·2*	−0·8	19	− 19
1166	Thargomindah	27 58	143 43	123	993·5	1007·5	− 0·1	307·2	313·7	14th	294·4	289·1	10th	300·8	*300·4*	−1·2	31	− 5
	Mitchell	26 32	147 52	336	970·4	1007·9	..	305·6	311·3	17th	291·8	283·0	9th	298·7	..	−0·5	227	+163
1167	Rockhampton	23 24	150 30	11·3	1007·6	1008·9	− 1·6	304·8	311·8	5th	294·9	291·2	11th	299·9	*299·3*	−0·2	493	+384
1168	Brisbane	27 28	153 2	41·7	1006·4	1011·1	− 0·9	301·7	308·7	6th	292·7	288·8	11th	297·2	*296·7*	−0·5	288	+165
1170	Norfolk Island	29 4	167 59	15·2	1013·9	1015·7	+ 2·2	297·5	299·1	7th	290·9	288·6	12th, 20th	294·2	*293·7*	0·0	28	− 59
		S.	E.															

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	291·0	294·0	24th	283·6	281·0	13th	287·3	*287·5*	0·0	26	+ 15
1221*a*	Punta Tumbes	36 37	73 6	120	1001·2	1015·6	− 0·4	295·2	300·2	6th	285·5	282·5	5th	290·3	*290·2*	0·0	0	− 5
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·5	1014·4	− 0·4	295·2	300·2	6th	285·5	282·5	5th	290·3	*290·2*	0·0	0	− 5
1222*a*	Santiago	33 27	70 42	520	954·0	1013·3	+ 0·1	300·9	306·3	7th, 25th	283·4	279·2	3rd	292·1	*291·5*	−0·1	0	− 5
1223	Cordoba	31 25	64 12	423	960·4	1007·7	− 1·6	305·1	312·5	..	289·8	279·6	..	297·5	297·2	+1·9	107	− 11
1224	Bahia Blanca	38 45	62 15	25	1005·6	1008·6	− 0·6	302·7	311·5	8th	288·6	281·0	1st	295·7	295·8	+1·2	99	+ 51
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1008·1	1011·0	− 1·1	301·6	310·5	11th	289·9	279·8	1st	295·7	296·1	+2·6	95	− 3
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1008·7	− 2·9	299·2	306·9	11th	291·5	285·6	26th	295·3	*294·6*	+0·7	152	+ 59
1226*a*	Porto Alegre	30 2	W51 13	23·5	1007·5	1010·2	− 1·3	303·4	311·8	31st	290·9	283·3	2nd	297·2	296·9	+0·9	60	− 47
1239	Cape Town	33 56	E 18 29	12·2	..	1013·6	− 0·7	297·9	303·6	25th	288·3	285·8	12th	293·1	*291·8*	+0·2	19	− 2
1240	Danger Point	34 37	19 18	27·7	1004·9	1008·2	..	294·0	298·0	7th	287·7	283·0	12th	290·8	..	..	54	+ 41
1241	Riversdale	34 6	21 16	761	1002·1	1009·2	..	300·4	312·4	7th	288·2	281·9	3rd	294·3	..	..	9	− 22
1242	East London	33 1	27 54	9·8	1011·0	1012·1	− 1·4	296·7	300·2	8th, 16th	291·1	287·4	20th	293·9	..	+0·6	111	+ 55
1259	Perth (Observatory)	31 57	115 51	60·0	1004·8	1011·8	− 1·6	302·2	312·1	17th	290·6	283·2	1st	296·4	*296·1*	+1·9	20	+ 5
1260	Katanning	33 42	117 35	310	979·4	1014·5	+ 1·4	299·9	309·8	31st	285·8	276·5	1st	292·9	..	−0·5	27	+ 13
1261	Coolgardie	30 57	121 10	423	963·8	1011·8	+ 0·8	304·2	313·1	19th	289·1	279·1	1st	296·6	*296·4*	−0·7	29	+ 11
1262	Eucla	31 45	128 58	4·6	1014·6	1015·2	+ 2·2	294·3	313·3	11th	288·6	282·2	3rd	291·4	*290·8*	−2·2	53	+ 42
1263	Streaky Bay	32 48	134 13	13·1	1013·2	1014·5	+ 0·8	300·6	310·7	11th	287·6	281·9	8th	294·1	*293·3*	−0·2	7	− 3
1264	Adelaide	34 56	138 35	42·7	1008·9	1013·9	+ 0·7	300·4	309·0	19th	287·2	284·9	25th	293·8	293·2	−0·9	13	− 12
1265	Melbourne	37 49	144 58	35·1	1009·6	1013·7	+ 1·2	295·0	303·8	12th	286·3	280·7	7th	290·7	*290·4*	−0·2	63	+ 4
1266	Bourke	30 13	145 58	111	999·5	1012·0	− 0·5	307·3	314·1	13, 17, 18	292·1	285·2	7th, 8th	299·7	..	−1·5	47	+ 16
1267	Sydney	33 51	151 13	40·5	1007·0	1011·7	− 0·2	297·1	305·0	13th	290·4	287·2	8th	293·8	*293·4*	−0·4	134	+ 60
1268	Lord Howe Island	31 20	159 0	4·0	1012·3	1012·8	− 1·2	298·9	301·9	26th	290·9	284·4	13th	294·9	..	+0·3	86	− 38
1271	Auckland	36 50	174 50	38·1	..	1015·2	..	293·2	297·2	29th	287·4	283·0	13th	290·3	..	−0·4	101	+ 29
1272	Napier	39 32	176 53	21·3	..	1014·1	+ 2·5	295·4	305·2	28th	286·3	280·2	14th	290·9	..	0·0	44	− 8
		S.	E.															

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1011·2	..	..	..	..	..	..	..	..	..	..	55	− 5
1321																		
1322	Isla Guafo	43 34	74 45	140	993·5	1010·3	− 4·8	285·5	287·2	17th	281·8	277·9	3rd	283·7	*283·6*	−0·5	82	+ 18
1323	Punta Galera	40 1	73 44	40	1010·4	1015·2	− 1·2	289·2	292·0	19th	283·2	280·2	1st	286·2	*286·9*	+0·3	234	+156
1324	Sarmiento	45 30	69 0	274	970·8	1001·5	..	..	299·4	25th	281·0	275·5	3rd	..	287·6	−1·2	4	0
	Punta Madryn	42 49	W64 58	14	1005·3	1007·0	..	300·3	307·8	22nd	284·4	278·0	1st	292·3	292·3	+1·3	2	− 2
1365	Launceston	41 27	E147 10	10·1	1011·1	1012·3	+ 3·2	296·1	301·9	24th	283·9	275·7	8th	290·0	*289·2*	+0·5	6	− 45
1366	Hobart	42 53	147 20	53·9	1005·9	1012·4	+ 3·0	291·6	297·4	25th	283·5	279·1	28th	287·6	*286·8*	−1·2	15	− 35
1370																		
1371	Invercargill	46 25	168 21	3·7	..	..	..	289·3	296·9	16th	280·3	274·1	24th	284·8	..	−1·0	146	+ 36
1371*a*	Dunedin	45 52	170 31	91·4	..	1010·9	+ 2·0	290·2	298·6	16th	281·1	276·9	12th	285·6	..	−0·9	83	− 6
1372	Christchurch	43 31	172 39	7·6	..	1010·6	+ 1·2	293·2	301·7	17th	283·2	276·7	21st	288·2	..	−0·5	6	− 46
	Wellington	41 16	174 46	3·1	..	1014·0	+ 2·5	292·0	299·4	10th	284·8	278·7	14th	288·4	..	−0·4	169	+ 87
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	987·6	994·2	— 8·1	281·9	283·8	20th	278·7	275·5	4th	280·3	*280·3*	—0·3	272	+ 14
1422	Puerto de Punta Arenas	53 10	70 54	28	990·3	993·7	— 5·6	286·6	291·5	14th	279·8	277·0	2nd	283·2	*283·1*	—0·1	71	+ 39
1423	Punta Dungeness	52 24	68 26	5	992·3	992·9	— 7·6	286·6	289·8	14th	279·3	276·0	2nd	282·9	*282·8*	—0·7	..	..
1424	Santa Cruz	50 11	68 21	12	994·4	995·8	— 6·3	292·3	300·4	9th	280·6	275·9	7th	286·5	286·3	+0·2	38	+ 17
1424*a*	Año Nuevo	54 39	64 8	50	986·7	992·7	— 3·6	283·3	290·5	11th	276·5	273·0	6th	279·9	*280·8*	+0·4	23	— 26
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	991·3	993·9	— 5·9	283·6	289·1	15th	277·1	274·1	2nd	280·4	280·8	—0·5	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	993·1	993·6	— 1·9	278·4	287·5	11th	272·3	268·8	2nd	275·3	*275·7*	—2·0	85	— 51

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	993·8	994·7	+ 1·2	273·7	278·7	30th	270·5	267·1	21st	272·1	272·1	—0·1	15	— 31
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—DECEMBER 1921.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction.	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
		m/s		9h. / 17h.	7h. / 21h.		9h.	8h. / 20h.	9h.
1	SE	7·1	SE 2	NE 1 / Calm 0	SE 1 / E 2	..	Calm 0	NE 2 / NE 2	SSE 3
2	SE	6·8	SE 2	Calm 0 / SW 1	S 1 / S 1	..	Calm 0	NE 2 / NE 2	SE 2
3	SE	4·4	ESE 1	Calm 0 / Calm 0	W 2 / S 1	..	Calm 0	N 2 / N 1	S 2
4	SE	3·0	Calm 0	Calm 0 / SW 1	SW 1 / S 1	..	..	NE 2 / N 1	SE 1
5	SE	4·5	Calm 0	NE 1 / SW 1	S 1 / E 1	..	SE 2	NW 2 / NW 2	SE 2
6	SE	5·4	Calm 0	NE 1 / SW 1	S 1 / S 2	..	SE 2	N 1 / Calm 0	W 3
7	SSE	5·0	Calm 0	Calm 0 / SW 1	N 1 / SE 1	..	SE 4	SSW 1 / Calm 0	SE 4
8	SE	9·2	ESE 1	Calm 0 / Calm 0	N 1 / S 2	..	Calm 0	N 1 / ENE 2	NE 2
9	SE	4·6	ESE 3	Calm 0 / Calm 0	S 1 / S 1	..	Calm 0	ENE 3 / ENE 3	SE 3
10	SE	5·7	ESE 3	NE 1 / NE 1	W 1 / N 1	..	Calm 0	NNE 1 / NE 1	ESE 4
11	SE	7·2	ESE 1	NE 2 / SW 1	N 1 / S 1	..	..	Calm 0 / N 3	SE 4
12	SE	5·7	ENE 4	NE 1 / SW 1	S 1 / S 1	..	Calm 0	NE 1 / Calm 0	NE 4
13	SE	4·5	SE 2	Calm 0 / SW 1	N 1 / S 1	..	Calm 0	Calm 0 / NW 2	NE 3
14	SE	6·1	ESE 3	Calm 0 / Calm 0	SE 1 / S 1	..	Calm 0	NNW 1 / ENE 1	NE 3
15	SE	8·2	ESE 3	Calm 0 / Calm 0	N 1 / S 1	..	Calm 0	ESE 2 / E 3	N 2
16	SE	8·7	SE 3	Calm 0 / SW 1	S 1 / S 2	..	Calm 0	ESE 3 / E 4	NW 0
17	SE	8·2	SE 3	Calm 0 / Calm 0	S 2 / S 1	..	Calm 0	SE 2 / ESE 4	Calm 0
18	SE	7·1	E 3	N 1 / Calm 0	S 2 / S 1	..	..	E 3 / Calm 0	E 1
19	SE	8·7	SSE 2	Calm 0 / Calm 0	S 1 / W 1	..	SE 2	ESE 2 / E 1	N 1
20	SE	8·9	S 4	Calm 0 / Calm 0	W 1 / W 1	..	..	ESE 2 / ESE 2	Calm 3
21	SE	8·2	SE 4	NE 1 / Calm 0	S 1 / W 1	..	Calm 0	E 3 / E 3	SE 2
22	SE	8·3	S 4	NE 1 / Calm 0	SE 1 / SW 1	..	Calm 0	E 2 / ENE 2	NNE 2
23	SE	7·3	ESE 4	NE 1 / SW 1	S 1 / S 1	..	Calm 0	E 3 / E 2	SE 1
24	SE	6·9	SE 2	NE 1 / Calm 0	S 1 / S 2	..	Calm 0	E 3 / E 4	NE 3
25	SE	7·5	ESE 2	Calm 0 / SW 1	S 1 / S 1	..	Calm 0	E 3 / E 4	E 4
26	SE	8·2	SE 2	Calm 0 / Calm 0	S 1 / E 2	..	..	E 3 / E 4	E 3
27	SE	7·3	ESE 4	Calm 0 / SW 1	SE 1 / S 1	..	..	E 3 / E 2	SE 1
28	SE	8·7	ESE 3	NE 1 / Calm 0	S 1 / SE 1	..	..	E 3 / E 2	NE 0
29	S	6·8	SE 5	Calm 0 / Calm 0	S 1 / S 2	..	SE 4	ESE 2 / E 2	Calm 0
30	SE	6·8	SE 4	NE 2 / Calm 0	S 1 / S 1	..	Calm 0	E 3 / E 2	Calm 0
31	SE	..	ESE 4	NE 1 / Calm 0	S 1 / SW 1	..	NW 4	E 4 / E 3	S 1
Mean	..	6·8	2·5	0·5 / 0·4	1·1 / 1·2	..	0·8	2·1 / 2·1	2·?
§Resultant	140° (97)	..	125° (80)	30° (4)	180° (62)	..	135° (17)	70° (64)	100° (43)
§Normal	144° (91)	7·8	‖102° (77)	24° (6)	265° (44)	70° (81)	121° (9)	‖ 101° (20)	90° (53)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ?608 metres. § Direction and "Constancy." For explanation *see* introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC—DECEMBER 1921.

‡‡ *Spitsbergen.*—The Icefjord and its branches had thin firm ice and drift ice.

‡‡ *Iceland* was free of ice as is usual in this month.

‡‡ *Greenland Sea and Denmark Strait.*—No ice was observed at Jan Mayen. At Angmagsalik the ice in the fjords was broken about Christmas, and the fjords remained free of ice until some days after the New Year. There was "Storis" all along the coast, but open water was often visible in the offing outside the belt.

‡‡ *N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being two. At Belle Isle the sea was free of ice.

‡‡ *Davis Strait and Baffin Bay.*—Between the 15th and 31st the sea was free of ice at Cape Farewell, as the "Storis" had drifted north to Arsuk, where it was 4 miles offshore. On the 4th west ice was observed from western Island, and winter ice formed at Umanak. Later winter ice formed all along the coast, but only reached a few miles offshore. Firm ice to 20 miles offshore formed in Rowles Welcome on the 10th, but open water was observed to 40 miles into Wager Inlet.

‡‡ *Isforholdene i de arktiske Have, 1921 and 1922*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1921.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1921

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **YEAR—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	..	..	264·5	296·9	July 10	257·3	229·7	Feb. 16	260·9	..	+0·2	101	— 40
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1006·0	1008·4	— 2·0	268·2	288·8	Aug. 5	261·3	239·0	Feb. 7, 8	264·7	*264·2*	—0·2	277	+ 48
135	Jan Mayen	70 59	W 8 18	23·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1005·6	1007·1	— 3·8	..	287·3	Aug. 4	262·7	235·0	Feb. 19	..	265·9	+1·6	331	+ 38
140	Gjesvaer	74 28	19 15	40·5	1000·4	1005·5	..	..	..	..	..	..	..	..	*270·5*	..	349	..
141	Mehavn	71 6	25 22	6·5	1004·2	1005·0	— 3·0	..	296·9	July 21	273·2	258·6	Jan. 25	..	*275·7*	+0·9	1097	+456
142	Vardö	71 1	27 47	6·4	1004·7	1005·5	— 2·4	..	293·4	June 12	272·3	254·5	Jan. 31	..	*275·0*	+0·7	955	+204
147	Malye Karmakouly	72 23	52 43	14·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
148	Walgatz	70 24	58 47	11·2	1005·6	1007·0	— 3·2	270·7	296·2	June 24	263·7	229·8	Mar. 1	267·2	*267·2*	..	393	..

Between Latitude 70° N. and 60° N. **YEAR—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1008·4	— 1·3	272·9	297·4	June 30	265·8	235·2	Feb. 9	269·4	*269·6*	+0·1	509	+ 59
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1011·8	— 0·9	273·9	303·0	Aug. 6	262·5	226·3	Jan. 2, 3, 14	268·2	*268·5*	+0·3	363	+ 38
206	Rampart	65 30	150 15	122	..	..	..	272·7	304·1	July 4,Aug.4	262·0	224·7	Jan. 3	267·3	..	—0·4	246	— 8
207	Valdez	61 7	146 16	8·2	..	1010·1	0·0	279·3	293·6	June,Aug.,Sep.	271·0	247·4	Jan. 15	275·2	*275·1*	+0·1	1286	— 28
208	Eagle	64 46	141 12	254	..	1012·5	+ 0·3	274·7	303·0	Aug. 5	262·8	224·1	Jan. 14	268·7	..	+0·2	200	— 72
209	Dawson	64 4	139 20	328	972·2	1013·7	— 0·5	273·2	304·1	Aug. 6	261·3	225·8	Feb. 6	267·3	..	—0·5	249	—107
210	Carcross	60 11	134 34	662	..	..	..	277·1	296·3	June 5, 30	265·1	231·9	Jan. 17	271·1	..	0·0	249	+ 22
211	Fort Good Hope	66 15	128 31	65·2	1006·6	1015·3	..	270·7	303·6	July 12	259·7	224·1	Feb. 7	265·2	..	..	335	+110
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	?229·7	Jan. 16	..	..	..	..
213	Hay River	60 51	115 57	161	993·3	1013·4	— 0·9	274·7	304·1	July 19	265·2	230·2	Mar. 26	269·9	..	+1·8	424	+159
225	Jacobshavn	69 13	51 2	12·6	..	..	..	..	288·9	Sept. 1	..	?240·3	Feb. 26	..	..	..	..	..
226	Godthaab	64 11	51 43	9·0	1001·1	1002·3	— 3·6	274·1	292·2	Aug. 5	267·2	250·4	Feb. 22	270·7	*270·3*	—0·7	..	..
227	Ivigtut	61 12	48 10	5·0	1002·4	1003·0	— 2·5	275·8	291·5	Aug. 4	269·3	250·0	{Jan. 21, 22 / Feb. 22, 23}	272·5	*273·7*	+0·1	1055	— 84
229	Angmagsalik	65 37	37 33	31·7	1000·2	1004·2	— 3·1	274·9	290·2	June 18	267·6	249·0	Jan. 12, Mar. 4	271·3	*270·8*	—0·2	761	—136
231	Stykkisholm	65 5	22 46	20	..	1003·4	— 2·8	278·7	288·6	July 12	273·6	258·4	Mar. 6	276·1	*276·0*	+0·2	1028	+376
233	Vestmanno	63 24	20 17	132	‡1002·7	‡1003·6	— 1·8	‡281·0	290·9	July 11	‡275·4	262·0	Mar. 5	‡278·2	*‡278·2*	0·0	1797	+432
234	Grimsey	66 33	17 58	22·0	..	..	..	277·0	291·8	July 14	..	..	..	..	*274·5*	—0·1	..	..
234	Akureyri	65 40	18 4	35	..	1004·3	— 3·3	..	..	..	..	..	..	..	..	..	..	..
235	Berufjord	64 40	14 19	18·0	1003·4	1005·6	— 1·3	280·1	295·6	July 18	273·5	256·4	Mar. 6	276·8	*276·5*	+0·4	1156	— 10
236	Thorshavn	62 3	6 45	26·3	1005·5	1008·7	+ 0·2	281·6	288·0	May,July,Sept.	276·6	263·1	Jan. 24	279·1	*279·1*	—0·2	1385	— 68
237	Lerwick	60 9	W 1 11	46·9	..	1011·8	+ 2·5	282·5	289·7	Apr.,July,Aug.	278·2	269·7	{Jan. 24, 25 / Mar. 7.}	280·3	*280·6*	+0·2	1063	+ 99
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·7	1012·2	+ 0·8	282·9	297·3	July 18	277·8	266·6	Jan. 24	280·3	*280·3*	+0·2	2727	+996
239	Aalesund	62 28	0 10	6·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
240	Trondhjem	63 26	10 25	39·5	1005·0	1009·9	— 0·6	281·4	295·4	June 8, Aug. 2	275·2	259·9	Jan. 27	278·3	*278·1*	+0·3	1255	+485
241	Bodö	67 17	14 24	22·4	1004·0	1006·7	— 2·3	..	292·5	Aug. 7	274·9	260·2	Jan. 24	..	*277·5*	+0·4	1350	+375
242	Haparanda	65 50	24 9	9·2	1006·8	1008·0	— 3·1	277·7	296·0	June 18,Aug.15	269·9	242·0	Jan. 27	273·8	*274·0*	+0·7	691	+223
242*a*	Helsingfors	60 10	24 57	11·7	1010·2	1011·6	— 1·5	281·3	300·2	Aug. 4	274·8	250·2	Feb. 16	278·0	278·2	+0·8	706	+ 95
243	Kuopio	62 54	27 40	90·3	998·6	1009·6	— 3·1	279·7	299·8	Aug. 4	..	242·6	Feb. 16	..	*276·4*	+1·0	680	+ 83
244	Kola	68 53	33 1	6·7	1006·2	1007·1	— 2·9	276·7	297·9	May 29	269·1	236·9	Dec. 9	272·9	*273·1*	+0·8	438	+135
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1008·4	1009·2	— 2·7	278·7	304·0	June 23	271·0	241·1	Dec. 8	274·8	*274·8*	+1·5	551	+124
247	Mezen	65 50	44 16	14·9	1006·6	1008·5	— 2·6	277·5	303·5	June 23	269·4	240·2	Feb. 2	273·4	*273·8*	+2·4	456	+164
248	Oust-Tsylma	65 25	52 18	? 68	1000·3	1008·9	— 4·6	276·3	303·6	June 24	268·1	229·5	Feb. 15	272·2	*272·1*	+1·5	444	..
249	Tcherdyn	60 24	56 31	?177	989·2	1011·3	— 3·4	278·6	308·7	June 27	269·8	231·6	Dec. 12	274·2	*274·1*	+1·6	613	+ 91
250	Berezov	63 56	65 4	39·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1007·1	1012·1	— 3·0	..	303·5	June 27, July 15	265·8	230·1	Jan. 18	..	*271·2*	+1·6	604	+194
253	Doudinka	69 23	86 4	? 20	1008·2	1010·8	— 1·6	..	298·6	July 25	260·0	225·8	Feb. 27	..	*263·6*	+1·3	239	— 17
254	Touroukhansk	65 47	87 57	45	1008·2	1014·0	— 0·5	..	304·0	July 18	262·3	224·6	Dec. 12	..	*267·1*	+1·9	266	— 81
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	219·7	Dec.	..	*264·4*	+0·9	251	+ 23
262	Iakoutsk	62 1	129 43	?108	1001·9	1016·0	— 1·5	..	303·2	July 30, Aug. 3	257·5	216·8	Dec. 31	..	*263·1*	+1·0	191	— 44
263	Verkhoiansk	67 33	133 23	100	..	..	..	..	..	..	..	?214·6	Jan. 10, 11	..	..	..	..	..
271																		
272																		
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed, *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 105.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	..	..	..	285·2	Aug. 8	..	249·1	Feb. 7	274·1	..	0·0	653	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1006·8	— 1·2	279·8	294·1	Aug. 20	274·9	258·6	Feb. 8, 9	277·3	..	0·0	1185	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	238·6	Feb. 11	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	..	..	280·9	295·2	Aug. 21	274·6	253·6	Jan. 12	277·8	..	0·0	§930	..
309	Sitka	57 3	135 19	27·4	..	1011·2	— 0·7	283·0	298·0	July 14	275·8	260·8	Mar. 19	279·4	*279·2*	—0·2	2220	..
310	Prince Rupert	54 18	130 18	51·8	1008·5	1014·9	+ 1·5	282·8	297·4	May 16	276·8	263·0	{Jan., Nov., Dec.	279·8	*279·9*	—0·4	2194	..
311	Barkerville	53 2	121 35	1274	866·1	1013·2	— 0·6	279·5	296·3	Aug. 1	268·6	240·2	Dec. 19	274·0	*273·8*	—1·1	1030	..
312	Kamloops	50 42	120 29	385	972·9	1019·3	+ 0·4	286·6	308·6	Aug. 1	275·6	247·4	Dec. 20	281·1	*281·1*	—0·5	183	..
313	Calgary	51 2	114 2	1045	892·6	1014·1	— 1·4	285·1	308·0	July 20	269·4	238·0	Mar. 12, Dec. 20	277·2	*276·7*	+1·0	343	..
314	Fort Chipewyan	58 42	111 10	218	985·3	1012·7	— 2·1	276·5	303·0	July 20	265·9	231·9	Jan. 16	271·2	*271·7*	+0·9	271	..
315	Prince Albert	53 10	105 38	442	960·8	1015·0	+ 0·4	280·6	303·0	{June, July, Aug.	268·7	235·2	{Jan., Feb., Dec.	274·7	*274·4*	+1·7	644	..
316	Qu'Appelle	50 30	103 47	645	936·8	1014·2	— 0·7	282·0	307·4	Aug. 30	270·2	235·8	Feb. 19	276·1	*275·7*	+1·7	689	..
317	Minnedosa	50 15	99 50	515	952·6	1015·2	— 1·0	281·0	305·8	{July 9, 16, Aug. 31	269·7	236·3	Feb. 19	275·4	*275·0*	+1·2	492	..
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	235·2	Jan. 18	..	..	..	..	..
318*a*	Port Nelson	57 4	92 36	14·9	1014·9	1016·8	+ 1·8	272·0	304·1	June 28, July 20	262·3	230·2	Feb. 5	267·1	..	+0·8	423	..
319	Fort Hope	51 33	87 49	‡260	982·7	1016·2	..	278·4	308·0	June 29	267·7	233·0	Feb. 26	273·1	‡*272·9*	.+1·7	771	..
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	..	..	..	231·9	Feb. 26	..	..	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	274·8	307·4	July 4	265·3	230·8	Feb. 25	270·1	..	..	877	..
322	Mistassini Post	50 15	73 55	383	..	..	..	278·6	304·2	July 3, 4	266·2	232·1	Jan. 16	272·4	..	+0·9	787	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	277·7	298·0	July 25	267·6	242·4	Jan. 29	272·7	..	—0·4	..	..
326	Belle Isle	51 53	55 23	133	..	..	..	274·2	290·8	July 26	268·0 Sea Temp. 286·6 +0·7	238·6	Dec. 25	271·1	*270·9*	—1·1	..	..
333	53°—48°N. 20°—15°W.	††50 6	††17 32	§(772-820)	..	1017·5	..	..	..	..	..	..	..	286·4	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1016·5	1018·2	+ 4·5	286·9	299·7	July 12	281·9	271·3	Mar. 7	284·4	284·7	+1·2	1172	..
335	Aberdeen	57 10	W 2 6	26·8	1011·4	1014·7	+ 3·2	284·9	301·3	July 9	278·9	269·7	Mar. 7	281·9	281·9	+1·1	425	..
336	Greenwich	51 28	0 0	46·3	1013·3	1018·9	+ 3·7	289·5	307·4	July 11	279·5	269·1	Nov. 13	284·5	284·2	+1·5	318	..
337	Uccle	50 48	E 4 22	100	1006·7	1018·9	+ 3·2	289·4	309·5	July 28	279·1	260·6	Dec. 5	284·2	283·6	+1·5	418	..
338	De B'lt	52 6	5 11	3·0	1017·9	1018·3	+ 3·3	288·1	305·1	July 12	278·3	257·1	Dec. 5	283·2	283·0	+1·1	398	..
338*a*	Hamburg	53 33	9 58	40·3	1012·4	1017·3	+ 2·8	286·2	305·1	Aug. 2	279·4	264·5	Nov. 29	282·8	*282·6*	+1·0	713	..
339	Copenhagen	55 41	12 36	5·0	1015·0	1015·6	+ 1·9	284·6	299·6	July 10, 11	279·1	268·6	Jan. 28	281·9	*281·9*	+1·1	542	..
340	Potsdam	52 23	13 4	84·9	1007·5	1017·9	+ 2·6	287·4	308·6	Aug. 2	278·0	255·4	Dec. 14	282·7	282·4	+1·1	565	..
340*a*	Uppsala	59 51	17 38	24	1008·7	1011·6	— 0·7	283·5	302·2	Aug. 3	274·3	255·1	Jan. 28	278·9	279·1	+1·3	532	..
341	Warsaw	52 13	21 1	133	1001·6	1017·9	+ 2·1	286·4	310·0	Aug. 12	277·2	252·8	Dec. 13	281·8	281·8	+1·2	402	..
342	Dorpat (Jurjev)	58 23	26 43	74·5	1004·1	1013·3	— 0·2	282·2	304·9	Aug. 4	273·9	248·4	Feb. 17	278·1	277·9	+0·4	592	..
343	Petrograd	59 56	30 16	4·8	1011·5	1012·1	— 1·3	280·9	301·7	Aug. 4	273·8	244·4	Feb. 16	277·4	*277·5*	+0·7	662	..
344	Kiev	50 27	30 30	183	994·3	1017·6	+ 1·2	285·7	307·1	July 28	276·5	248·7	Dec. 13	281·1	*280·6*	+0·7	424	..
344*a*	Moscow	55 50	37 33	167	994·4	1015·0	— 1·1	281·8	306·1	June 1	272·8	241·8	Jan. 31	277·3	*277·4*	+0·5	408	..
345	Saratov	51 33	45 57	?122	1001·8	1016·9	— 0·7	283·5	308·2	June 25	274·4	245·2	Dec. 12	279·0	*278·8*	+0·1	244	..
346	Kazan	55 47	49 8	79·9	1005·1	1015·0	— 1·0	282·5	310·5	June 25	273·3	242·1	Dec. 10	277·9	277·7	+1·5	355	..
347	Orenburg	51 45	55 6	109	1003·4	1016·9	— 1·2	? 2·6	?11·1	June 28	272·2	237·5	Dec. 13	277·4	*277·5*	+1·2	267	..
348	Perm	58 1	56 16	163	993·8	1014·1	— 1·4	-79·7	08·7	June 27	271·1	234·6	Dec. 12	275·4	*275·3*	+1·1	609	..
349	Sverdlovsk (Ekaterinburg)	56 50	60 38	281	979·1	1013·8	— 3·3	279·6	306·6	June 26	270·7	239·6	Dec. 11	275·2	*275·0*	+1·4	506	..
350	Tobolsk	58 12	68 14	108	1000·8	1014·4	— 2·4	278·9	307·4	June 28	269·4	235·6	Dec. 12	274·2	*273·8*	+1·2	445	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	..	..	..	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	999·9	1020·2	— 1·0	280·4	309·9	July 4	270·6	237·3	Jan. 2	..	..	..	487	..
354	Tomsk	56 30	84 58	122	1001·9	1017·3	— 1·7	..	306·9	July 24	269·4	232·5	Jan. 2	274·9	*274·8*	+1·2	597	..
									305·0	July 5	269·1	237·2	Feb. 24	..	*273·6*	+1·6		
355	Minousinsk	53 43	91 41	249	989·9	1020·9	— 0·9	..	305·2	July 25, Aug. 13	268·9	232·8	Jan. 5	..	*274·5*	..	299	..
356	Eniseisk	58 27	92 10	77·6	1007·9	1017·8	— 1·2	..	305·2	July 17	266·6	226·9	Dec. 13	..	*272·1*	+1·0	378	..
357	Irkutsk	52 16	104 19	467	963·0	1020·7	— 0·6	279·7	307·1	July 8	266·5	237·7	Dec. 31	273·1	*272·9*	+0·8	285	..
358	Kirensk	57 47	108 7	263	..	..	..	..	306·0	July 20	..	224·6	Dec. 30	..	..	..	..	..
359	Tchita	52 2	113 30	674	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	968·2	1015·7	..	277·1	306·0	Aug. 3, 4	261·6	229·4	Jan. 11	269·4	*269·7*	..	379	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	995·9	1013·6	— 0·6	280·2	309·9	Aug. 6	267·9	235·8	Dec. 20	274·0	*273·9*	+1·4	260	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	..	294·8	July 10	271·7	250·8	Jan. 7, 10	..	*273·8*	+0·7	373	..
369																		
371	Attu Island	52 56	173 13	4·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·0	1016·6	+ 0·2	285·5	298·0	July 22	279·1	264·1	Dec. 19	282·3	281·8	—0·1	891	+ 64
412	Portland, Oregon	45 32	122 41	46·6	1012·5	1018·0	+ 0·5	289·4	305·2	Aug. 7	280·8	266·9	Dec. 19	285·1	*284·8*	+0·5	1098	— 19
413	Macleod	49 44	113 24	953	..	..	..	285·4	310·2	July 21	272·7	238·6	Nov. 19	279·1	*279·1*	+1·0	340	— 14
414	Helena	46 34	112 4	1253	873·0	1015·8	— 0·7	286·6	309·7	July 20	274·6	245·8	Dec. 19	280·6	*280·4*	+1·1	281	— 66
414*a*	Salt Lake City	40 46	111 54	1329	867·8	1015·5	0·0	290·7	310·2	July 8	280·1	261·9	Feb. 7	285·4	*285·5*	+1·5	367	— 46
416	Cheyenne	41 8	104 48	1856	812·8	1015·2	+ 0·3	287·6	304·7	July 1	274·5	250·8	Dec. 24	281·0	*281·4*	+1·2	337	— 14
416*a*	North Platte	41 8	100 45	859	917·3	1017·0	+ 1·0	291·7	309·1	July 2, Aug. 28	276·8	252·4	Dec. 24	284·3	*283·8*	+1·8	201	—185
417	Bismarck	46 47	100 38	511	955·6	1016·7	0·0	286·3	315·2	July 9	273·4	241·9	Dec. 25	279·9	*279·8*	+2·4	355	— 86
418	Winnipeg	49 53	97 7	232	986·5	1015·2	— 1·0	282·0	307·4	June, July, Aug.	271·2	236·9	Jan. 17	276·6	*276·2*	+2·3	500	+ 26
	Duluth	46 47	92 6	345	974·0	1016·0	— 0·2	282·5	307·4	July 10	273·3	243·0	Dec. 24	277·9	*277·7*	+1·5	636	— 61
419	Port Arthur	48 27	89 12	196	991·5	1015·6	— 0·6	282·5	306·3	July 10, Aug. 29	272·3	243·0	Dec. 24	277·4	*277·2*	+2·5	580	— 9
420	Chicago	41 53	87 37	251	986·6	1016·8	— 0·1	289·1	309·1	July 17	281·8	259·7	Jan. 17, Dec. 25	285·4	*285·5*	+3·0	918	+ 79
421	Toronto	43 40	79 24	116	1002·6	1016·8	+ 0·4	287·2	309·1	July 5	277·8	252·4	Jan. 18	282·5	282·5	+2·6	695	—155
422	New York (Central Park)	40 47	73 58	47·4	1011·9	1017·6	— 1·4	290·4	308·6	Sept. 3	281·0	257·4	Jan. 19, 25	285·7	285·4	+1·1	958	—152
423	St. John, N.B.	45 17	66 4	36·2	1010·9	1015·4	+ 0·8	283·2	303·6	Sept. 3	274·4	251·9	Dec. 22	278·8	278·5	+0·7	982	—238
424*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1011·9	1013·0	+ 1·3	277·7	296·3	July 12	271·4	248·8	Jan. 31	274·5	*274·6*	—0·2	844	+108
	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	296·9	Sept. 17	..	263·0	Feb. 1, Dec. 7	..	..	..	..	..
425	Port aux Basques	47 35	59 10	9·1	1012·2	1013·3	+ 0·5	279·5	299·7	July 10	273·2	252·4	Feb. 18, 19	276·4	*276·3*	0·0	1233	—147
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	303·0	July 26	..	253·6	Feb. 2	..	..	..	..	..
430	50°—45°N. 35°—30°W.	††47 25	††32 31	§(662–686)	..	1016·1	..	..	..	Sea Temp. 287·1–0·2	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	941·5	1018·8	+ 1·5	292·0	309·7	Aug. 6	281·4	269·2	Nov. 11	286·7	*286·0*	+0·5	426	0
436	Nantes	47 15	W 1 34	36·5	1015·0	1019·4	+ 2·7	290·4	309·0	July 12	280·8	265·2	Nov. 12	285·6	285·4	+1·2	409	—321
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·8	1019·9	+ 3·2	289·9	311·4	July 28	279·5	263·8	Nov. 28	284·7	284·5	+1·4	278	—284
438	Marseille	43 18	5 23	75	..	1016·1	+ 1·1	293·3	309·5	Aug. 8	282·4	267·8	Dec. 15	287·9	*287·5*	+0·7	282	286
438*a*	Zürich	47 23	8 33	493	961·6	1020·1	+ 2·1	288·4	309·9	July 28	278·5	263·7	Dec. 15	283·5	282·7	+1·2	714	—406
439	Rome	41 54	12 27	45·5	1011·2	1016·6	+ 1·3	293·8	308·0	July 27	284·0	272·3	Dec. 18	288·9	*288·7*	+0·4	904	+ 84
440	Vienna	48 15	16 22	203	994·5	1019·1	+ 2·5	287·1	306·3	Aug. 12	279·3	260·1	Dec. 13	283·2	283·1	+1·0	657	+ 34
440*a*	Budapest	47 31	19 2	130	1002·6	1018·4	+ 1·8	289·9	311·7	Aug. 12	279·1	263·7	Dec. 2	284·5	*284·2*	+1·3	478	—160
441	Sofia	42 42	23 20	550	953·7	1018·7	+ 2·5	288·8	309·5	Aug. 12	278·1	259·8	Dec. 18	283·5	*283·1*	+0·2	516	—129
442	Bucharest	44 25	26 6	82	1008·5	1018·5	+ 1·7	290·0	313·5	Aug. 10	278·4	257·6	Dec. 17	284·2	283·8	+0·2	548	— 35
443	Odessa (University)	46 29	30 46	65·3	1010·4	1019·0	+ 2·2	..	308·7	July 30	279·2	257·0	Dec. 12	..	*283·0*	+0·2	205	—189
444	Kharkov (University)	50 0	36 14	140	1000·4	1017·6	— 0·3	285·0	307·5	June 2	275·0	246·9	Dec. 14	280·0	*279·8*	+0·3	355	—146
444*a*	Novorossiisk	44 44	37 49	37·1	1012·6	1017·1	+ 0·8	288·6	310·0	July 26, 31	280·4	259·0	Feb. 22	284·5	284·4	—1·1	703	+ 14
445	Tiflis	41 43	44 48	404	970·2	1017·9	0·0	290·0	308·5	Aug. 11	280·9	265·8	Jan. 1	285·5	285·1	—0·6	515	+ 17
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	308·5	June 7	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	..	..	..	..	309·6	July 7	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	— 5·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
449	Kasalinsk	45 46	62 7	67	1010·6	1018·8	+ 0·3	..	313·3	July 22	276·7	247·4	Jan. 9	..	*281·9*	+1·6	131	+ 16
450	Tachkent	41 20	69 18	478	960·8	1017·0	— 0·3	292·8	313·8	July 22	279·9	256·0	Jan. 11	286·3	*285·7*	—0·4	494	+136
452	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Aïma Ata (Vernyi)	43 16	76 53	841	..	..	..	286·6	308·5	July 24, 30	276·0	254·0	Feb. 10	281·3	*281·0*	..	717	..
461	Mookden	41 48	123 23	43·8	1011·6	1017·0	+ 0·4	286·9	309·1	June 16	274·9	246·5	Jan. 3	280·9	280·4	+0·6	789	+139
462	Joshin	40 40	129 11	31·9	1012·0	1015·9	+ 1·1	285·8	306·0	Aug. 10	277·7	259·3	Feb. 18	281·7	281·4	+0·4	558	—143
463	Yuki	42 20	130 24	65·6	1007·4	1015·5	+ 0·5	283·7	303·6	Aug. 10	275·4	254·5	Dec. 22	279·5	279·4	+0·2	550	—170
464	Vladivostok	43 7	131 55	128	1000·0	1015·9	+ 0·1	281·4	305·0	Aug. 15	274·1	248·3	Jan. 26	277·8	277·3	—0·4	498	— 72
465	Ochiai	47 20	142 47	27·4	‡1008·9	‡1012·3	0·0	280·3	302·2	Aug. 20	268·1	234·5	Jan. 8	274·2	274·6	—0·1	641	—245
466	Nemuro	43 20	145 35	26·7	1009·1	1012·4	— 0·2	281·9	300·5	Aug. 9	275·1	257·7	Feb. 25	278·5	278·5	0·0	1109	+146
466*a*	Syana	45 14	147 53	39·3	1007·1	1012·0	— 0·1	280·6	300·2	July 17	273·3	255·4	Mar. 22	276·9	277·2	0·0	992	+ 1
		N.	E.															

Between Latitude 40° N. and 30° N. YEAR—ZONE 5 (Western Half).

511		N.	W.															
512	San Francisco	37 48	122 26	47·2	1011·3	1017·0	+ 0·1	290·4	307·4	July 6	283·2	276·9	Jan. 8	286·8	*286·2*	+0·5	500	— 63
	San Luis Obispo	35 18	120 39	61·3	1009·3	1016·9	+ 0·1	294·6	312·4	Sept. 26, Oct. 18	281·6	269·7	Jan. 11	288·1	*287·0*	0·0	519	— 34
513	San Diego	32 43	117 10	26·5	1012·4	1015·4	+ 0·3	292·6	306·9	Nov. 3	285·8	276·3	Jan. 12	289·2	*288·9*	0·0	446	+193
514	Modena	37 48	113 54	1670	§33·7	1014·6	— 0·1	291·1	308·0	July 7, Aug. 5	274·5	254·1	Jan. 12	282·8	*282·3*	+0·8	371	+ 88
515	Santa Fé	35 41	105 57	2138	788·2	1014·4	+ 0·7	289·3	304·1	July 1	276·8	260·2	Jan. 13 Dec. 4	283·1	*282·7*	+0·4	451	+ 92
516	Denver	39 45	105 0	1613	§37·3	1015·2	+ 0·6	290·9	309·1	July 2	277·7	255·8	Dec. 24	284·3	*284·4*	+1·5	371	+ 7
517	Abilene	32 23	99 40	530	954·7	1015·6	+ 0·2	290·2	311·9	Aug. 6	285·3	263·6	Dec. 25	292·2	*291·5*	+1·3	396	—213
518	Saint Louis	38 38	90 12	173	996·3	1016·8	— 0·4	293·3	309·7	July 13	283·8	261·9	Jan. 17	288·6	*288·3*	+2·1	1044	+ 89
519	Mobile	30 41	88 2	17·4	1016·2	1018·3	+ 0·7	298·6	310·2	Aug. 22	289·1	274·7	Jan., Feb., Dec.	293·8	*293·4*	+1·5	1251	—328
520	Nashville	36 10	86 47	166	998·9	1018·7	+ 0·6	295·2	309·7	July 5	284·6	267·4	Jan. 27	289·9	*289·8*	+1·6	1070	—128
521	Charleston	32 47	79 56	14·6	1016·8	1018·5	+ 0·3	297·1	310·8	June 17	288·8	271·9	Jan. 19	292·9	*292·8*	+1·1	1158	— 89
522	Washington	38 54	77 3	34·1	1013·9	1018·0	+ 0·2	292·7	308·6	June 28	282·2	261·3	Jan. 19	287·4	*287·3*	+1·7	919	—155
523	Bermuda	32 17	64 46	46·0	1014·0	1019·4	+ 1·2	297·5	305·2	Sept. 10	291·3	280·8	Jan. 20	294·4	*294·1*	—0·4	1383	— 76
524																		
530	Santa Cruz (Flores)	39 27	31 9	28	1019·3	1022·3	+ 0·3	293·1	301·7	Aug. 5, 6	288·2	279·0	Feb. 18	290·7	*290·8*	+0·2	1071	—515
531	Horta	38 32	28 38	65	1015·5	1022·7	+ 0·9	293·1	303·7	Aug. 6	288·0	280·8	Feb. 18	290·5	290·3	—0·3	834	—258
532	Ponta Delgada	37 44	25 40	22	1020·6	1022·4	+ 1·0	292·3	299·8	Aug. 7	288·3	282·0	Feb. 18	290·3	290·3	0·0	..	..
532*a*	Feja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
533	Madeira (Funchal)	32 37	16 54	25	‡1018·5	‡1021·5	+ 1·7	293·7	299·2	July 9	288·5	283·0	Feb. 28	291·1	*291·2*	0·0	1190	+ 46
534																		
535	Lisbon	38 43	9 9	95	1007·2	1018·5	+ 0·6	293·2	308·6	Aug. 7	286·1	277·0	Dec. 21	289·7	*289·3*	+0·6	541	—212
535*a*	Melilla	35 18	2 59	8	1017·4	1018·3	— 0·1	295·7	309·2	Aug. 3	286·6	276·4	Feb. 8	291·2	*292·7*	—0·6	522	+ 71
536	Gibraltar	36 6	5 21	16·2	1016·2	1018·2	+ 0·2	294·2	305·8	Aug. 3	287·2	278·6	Jan. 15, 16, Feb. 8	290·7	*290·5*	—0·2	988	+ 79
536*a*	Colomb-Béchar	31 6	4 6	786	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed see pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

YEAR—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·6	1017·3	+ 0·5	294·3	308·0	July 30, 31	285·0	274·4	Jan. 18	289·6	..	−0·8	509	+ 71
538	Algiers (Bouzaréah)	36 48	3 2	342	977·1	1016·3	− 0·4	292·5	309·6	July 30	286·3	275·3	Dec. 25	289·4	289·0	+0·1	835	..
539	Tunis	36 48	10 10	21	1013·6	1016·1	..	296·2	314·9	July 1	287·2	275·4	Mar. 2	291·7	*291·3*	+1·0	420	..
539*a*	Malta	35 54	14 31	56·4	..	1016·1	+ 1·1	294·0	310·0	July 20	289·0	279·6	Feb. 2	291·5	*290·8*	−0·4	478	+ 21
540	Riposto	37 41	15 14	14·2	..	1017·9	+ 0·9	293·4	305·0	Aug. 7	287·7	279·0	Jan. 20, 21	290·5	*289·9*	−0·8	910	+ 28
541	Athens	37 58	23 43	107	1003·1	1015·8	+ 1·2	294·2	311·8	Aug. 10	286·1	272·6	Feb. 23	290·1	289·8	−0·4	524	− 18
542	Alexandria	31 12	29 53	32·0	1011·0	1014·7	+ 0·1	298·3	312·1	May 4	289·9	276·3	Jan. 30	294·1	*293·8*	+0·5	185	− 23
543ϕ	Nicosia (P.W.D.)	35 9	33 22	159	994·2	1012·6	− 0·1	297·5	313·6	Aug. 28	285·0	271·9	Jan. 26, 27	291·3	..	−0·4	527	+ 15
544	Beirut	33 54	35 28	33·7	..	1013·1	− 0·6	296·3	306·7	June 1	290·1	277·3	Feb. 25	293·2	*293·0*	−0·3	750	+ 47
545	Baghdad	33 21	44 28	38·1	1007·0	1011·4	− 0·7	302·8	322·5	July 19	289·3	271·6	Feb. 1	296·1	*294·2*	+0·3	217	− 86
546	Lenkoran	38 46	48 51	−20·0	1019·8	1017·4	+ 0·3	..	305·6	Aug. 3	283·2	269·0	Mar. 16	..	*286·9*	−0·6	1251	+ 66
547	Teheran	35 41	51 25	1220	..	..	..	..	..		..	..		..	..	..	..	..
548	Meshed	36 16	59 35	946	..	..	..	294·3	317·6	July 23	279·0	265·2	Mar. 21	286·7	..	0·0	219	− 87
549	Seistan	31 0	61 30	?	..	..	..	301·7	317·9	June 14	286·5	269·1	Jan. 7	294·1	..	..	44	..
550	Quetta	30 11	67 3	1677	832·6	..	0·0	297·3	310·6	July 10	279·8	264·8	Jan. 7, 8	288·6	*288·4*	+0·6	160	− 21
551	Peshawar	34 2	71 37	339	971·1	1009·9	− 0·7	304·9	322·1	July 8	289·6	274·1	Jan.8,Feb.9,10	297·3	*296·7*	+1·9	231	− 10
551*a*	Lahore	31 34	74 20	214	983·4	1007·9	− 0·9	305·8	319·4	May 17	291·6	274·8	Feb. 11	298·7	*298·2*	+1·4	503	+ 19
552	Simla	31 7	77 8	2205	781·0	..	+ 0·5	289·8	301·3	May 26, 27	283·9	271·7	Jan. 22	286·8	*286·6*	+0·9	1510	+ 88
552*a*	Leh	34 10	77 42	3503	666·7	..	+ 0·6	285·7	300·1	Aug. 27	272·4	249·8	Feb. 1	279·1	*278·2*	+0·2	88	− 25
559	Hankow	30 35	114 17	37·0	1012·7	1017·1	0·0	294·2	311·6	July 26	286·1	263·1	Jan. 3	290·1	*289·8*	0·0	1391	+ 25
560	Tientsin	39 10	117 10	5·0	1017·3	1017·9	+ 0·6	291·0	311·4	July 2	280·1	257·1	Jan. 3	285·5	*285·3*	+0·2	435	− 19
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1016·6	+ 0·2	293·9	311·2	July 28	284·2	266·7	Jan. 15	289·1	288·1	0·0	1480	+ 25
562	Jinsen (Chemulpo)	37 29	126 37	67·6	1008·8	1017·1	+ 0·8	288·5	307·7	Aug. 14	280·2	261·9	Jan. 12, Dec. 2	284·3	283·8	+0·1	848	+ 26
562*a*	Nagasaki	32 44	129 52	133	999·6	1015·4	0·0	292·4	306·9	Aug. 15	285·0	272·2	Dec. 25	288·7	288·3	−0·4	2132	+ 52
563	Kyoto	35 1	135 44	42·9	1010·1	1015·3	+ 0·8	292·7	309·2	Aug. 8	282·0	267·7	Dec. 26	287·3	286·6	0·0	2151	+ 71
564	Tokyo	35 41	139 45	21·3	1011·5	1014·1	0·0	291·4	307·2	Aug. 9	282·6	267·7	Dec. 27	287·0	286·6	−0·3	2025	+ 67
565	Kanayama	37 53	140 46	24·6	1011·2	1014·2	+ 0·1	289·2	309·3	Aug. 10	280·0	262·9	Feb. 22	284·6	284·3	0·0	1704	+ 25
566	Miyako	39 38	141 59	30·4	1009·8	1013·5	0·0	289·0	307·4	Aug. 10	278·9	262·2	Jan. 18	283·9	283·2	+0·2	1733	+ 57

YEAR—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·6	− 0·1	298·3	304·1	Aug. 31, Sept. 9	291·9	283·6	Feb. 28	295·1	*294·7*	..	1185	..
605	Honolulu	21 19	157 52	11·6	1015·4	1016·7	0·0	299·6	303·6	Aug.	294·4	289·7	Mar.	297·0	*296·8*	+0·3	674	− 19
614	La Paz	24 10	110 20	12	1010·6	1012·0	..	304·9	317·8	June 27	289·9	280·2	Feb. 21	297·4	..	..	25	..
615	Chihuahua	28 38	106 4	1423	860·4	1014·1	..	297·7	307·5	July 19	283·2	265·7	Jan. 13	290·5	*290·3*	..	359	..
616	Leon	21 7	101 41	1809	821·1	1009·6	0·0	298·9	306·4	June 8	284·5	271·5	Jan. 16	291·7	*292·0*	+0·6	390	..
616*a*	Monterry	25 40	100 18	528	954·7	1014·1	..	301·6	311·5	June 25	290·1	274·0	Feb. 21	295·8	*295·2*	..	405	..
617	Tulancingo	20 5	98 22	2180	793·1	..	..	293·4	300·0	Apr., May	281·4	269·0	Jan., Feb.	287·4	287·3	−1·0	399	− 15
618	Galveston	29 18	94 50	16·5	1015·8	1017·8	+ 1·0	297·5	308·6	Aug. 22	292·1	275·8	Feb. 20	294·8	*294·6*	+0·8	1014	+ 24
618*a*	New Orleans	29 57	90 4	16·2	..	1018·1	+ 1·0	299·6	310·2	Aug. 21	290·8	275·8	Jan.27, Feb. 20	295·2	*294·6*	+1·5	1237	+ 47
619	Merida, Yuc.	20 58	89 38	22	1012·8	1015·3	..	303·3	308·8	May 11	294·1	287·0	Jan. 29, 30, 31	298·7	*298·1*	..	721	..
620	Havana	23 8	82 21	24·3	..	1016·9	+ 1·1	302·3	306·8	Sept. 18	294·9	286·7	Feb. 27	298·6	*298·1*	+0·6	857	− 26
620*a*	Key West	24 33	81 48	6·7	1016·2	1017·0	+ 0·5	301·1	305·2	4 months	295·7	286·3	Jan. 16, Feb.27	298·4	*298·0*	+0·1	922	− 25
621	Nassau, Bahamas	25 5	77 21	7·3	..	..	..	301·3	?306·3	Sept. 13, 14	295·9	..	..	298·6	*298·6*	+0·5	1189	− 25
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..		..	..		..	..	..	..	..
633	Izaña	28 19	16 30	2367	767·9	..	..	285·6	300·0	Aug. 2	276·9	263·9	Mar. 28	281·3	*280·9*	−0·6	506	− 19
634	La Laguna	28 28	W16 20	547	955·1	1018·4	+ 1·3	293·3	308·5	Aug. 9	285·2	276·4	Feb. 7	289·3	*288·7*	−0·3	590	− 19
641	Siwa	29 12	E25 29	— 23	1017·5	1014·7	..	302·4	316·9	Aug. 24	..	273·9	Jan. 18, Feb.18	..	..	..	5	− 23
642																		
643	Cairo (Helwan)	29 52	31 20	116	1000·3	1013·7	− 0·1	300·3	316·2	June 17	288·1	276·3	Jan. 30	294·2	*294·0*	−0·2	63	− 23
643	Aswan	24 2	32 53	99·6	999·6	1010·9	− 0·8	307·4	321·1	Aug. 27	291·6	278·0	Jan. 31	299·5	*298·9*	+0·7	..	..
644	Tor	28 14	33 37	1·9	..	..	..	..	..		277·6	Jan. 31	..	..	..	..	..	..
647	Bushire	28 59	50 53	4·3	1009·3	1009·9	− 0·6	300·9	314·6	June 7	293·7	280·0	Feb. 2	297·3	*296·7*	+0·2	339	− 23
648	Jask	25 44	57 47	4·0	1008·6	1009·1	− 0·9	304·4	316·6	June 27	293·1	280·2	Jan. 5	298·7	*298·1*	−1·0	90	− 27
649	Karachi	24 53	66 57	4·0	1009·0	1009·4	− 0·3	302·2	310·6	May 12	295·1	283·8	Jan. 18	298·6	*298·0*	+0·2	439	− 10
650	Jacobabad	28 17	68 29	56·7	1001·3	1007·8	− 0·6	306·9	322·1	June 17	292·9	274·3	Jan. 18	299·9	*299·3*	−0·1	90	− 23
651	Jaipur	26 56	75 52	436	960·6	1009·5	− 0·2	306·7	318·3	June 13	292·1	277·6	Jan. 2	299·4	*298·6*	+0·5	550	− 10
652	Nagpur	21 8	79 5	310	974·8	1009·7	+ 0·2	307·2	318·9	May 4	293·6	281·3	Jan. 26	300·4	*299·9*	+0·5	760	+ 10
653	Allahabad	25 25	81 51	94·1	998·2	1008·4	+ 0·2	306·6	319·6	May 27	293·2	278·9	Jan. 5	299·9	*299·2*	+1·0	763	+ 13
653*a*	Darjeeling	27 3	88 18	2266	775·6	..	− 0·2	..	295·9	Sept. 3, 5	282·3	272·2	Jan. 2, 26	..	‡*284·3*	..	2850	+ 25
654	Calcutta	22 36	88 23	6·4	1007·9	1008·6	− 0·4	303·8	312·1	Mar. 24	294·9	282·4	Jan. 4	299·4	*299·1*	+0·6	1434	+ 57
655	Gauhati	26 8	91 41	59·7	1003·9	1010·7	+ 0·1	302·1	308·6	Aug. 12, Sept. 3	292·3	280·1	Jan. 4	297·2	*296·4*	+0·2	2050	+ 25
655*m*	Cherrapunji	25 15	91 42	1314	867·9	..	+ 0·1	293·4	300·4	Sept. 3	288·1	279·5	Dec. 31	290·7	*290·1*	+0·6	13209	+ 9
655*a*	Akyab	20 11	92 56	6·1	1008·7	1009·4	− 0·6	302·4	308·5	May 12	294·3	281·9	Jan. 21	298·4	*298·2*	−0·7	5424	+ 25
656	Mandalay	21 59	96 0	76·2	1001·8	1010·4	+ 0·2	307·3	316·8	May 3	295·1	283·7	Jan. 3	301·2	*300·6*	+0·4	948	− 25
656*a*	Tengyueh	25 2	98 33	1625	..	..	..	294·0	300·8	{May 9, Aug. 16, 17, 21}	282·8	269·1	Jan. 2	288·4	*287·7*	0·0	1724	+ 25
657	Phu-Lien	20 48	106 38	116	998·1	1011·6	+ 0·3	299·6	309·8	July 23	293·1	281·4	Jan. 15	296·4	295·7	−0·3	2149	+ 25
658	Moncay	21 31	107 51	9	1010·8	1011·9	+ 0·4	299·5	310·6	July 23, 24	292·2	275·9	Jan. 15	295·8	*296·0*	−0·3	3327	+ 25
659	Hongkong	22 18	114 10	33·2	..	1012·8	+ 0·2	298·0	306·4	Aug. 22	293·3	279·7	Feb. 4	295·7	295·3	+0·2	2472	+ 25
660	Amoy	24 27	118 4	ca.3	1013·9	1014·2	− 0·2	297·7	308·6	July 31	292·2	280·8	Jan. 15, Feb. 6	294·9	*294·7*	+0·1	1191	+ 25
661	Taihoku, Formosa	25 2	121 31	9·3	1013·0	1014·1	+ 0·3	299·2	311·6	July 31	291·1	279·1	Jan. 20	295·1	294·6	0·0	1674	+ 25
661*a*	Basco	20 28	121 59	18·7	1007·5	1009·9	− 0·3	..	?307·0	May 18	295·8	?288·4	Nov. 12	..	*298·6*	−0·1	2903	+ 25
662	Naha	26 13	127 41	10·5	1012·7	1013·9	+ 0·2	298·6	307·7	Aug. 3	291·9	279·4	Feb. 23	295·2	294·9	−0·2	1938	+ 25
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·5	1014·0	− 0·2	298·3	306·2	July 4	292·6	280·1	Feb. 27	295·5	295·3	−0·3	1894	+ 25
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed see pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.
ϕ For Cairo *see* No. 643.

YEAR—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 12	103 45	509	956·3	1013·1	..	302·3	305·5	Dec. 27	294·5	287·5	Feb. 6	298·4	*297·6*	..	738	..
716	Morelia	19 42	101 7	1923	810·5	1010·6	..	295·3	301·0	June 7	286·4	279·0	Nov. 27, Dec. 29	290·8	*290·3*	..	667	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·4	..	+ 0·3	296·5	303·4	June 6	280·7	270·8	Jan. 18	288·6	287·7	−0·2	693	+ 64
718	Salina Cruz	16 12	95 12	56	1006·1	1012·5	..	303·0	308·3	May 20	296·3	290·9	Jan. 29	299·7	*299·2*	..	1256	..
719	San Salvador	13 42	89 13	682	936·3	1011·9	+ 1·2	304·6	309·8	Mar. 9	290·2	283·0	Feb. 27	297·4	*295·8*	−0·4	2195	+ 413
720	Belize	17 29	88 12	5·2	1013·4	1014·0	+ 1·1	..	..	..	295·1	287·4	Jan. 29	..	‡*297·8*	..	2181	− 170
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·8	+ 0·7	303·2	306·3	Nov. 9	294·3	291·1	Jan. 26	298·7	*298·6*	−0·1	1489	+ 195
722	Port au Prince	18 33	72 20	37·4	1010·7	1015·0	+ 0·7	304·9	309·4	Aug. 2	294·8	290·4	Mar. 23	299·9	*299·2*	−0·1	1556	+ 177
723	Caracas	10 30	66 55	1042	899·7	1014·5	+ 0·9	298·1	302·9	May 4	287·3	281·9	Feb. 15	292·7	*291·4*	−1·3	1139	+ 330
724	Montserrat	16 41	62 9	39·6	1010·3	1014·8	− 0·2	303·3	308·6	May 15	295·7	291·9	Mar. 23	299·5	*299·0*	+0·1	1443	− 155
724ϕ	Grenada (Richmond Hill)	12 5	61 46	155	‡995·0	‡1012·8	+ 0·2	301·9	306·9	Sept. 7	296·2	293·0	Mar. 11	299·1	*298·5*	+0·1	1997	+ 63
725	Barbados	13 8	59 36	55·2	..	1013·7	− 0·1	302·3	304·5	Aug. 29	295·7	291·0	Jan. 3	299·0	*298·6*	+0·3	832	− 561
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·1	1014·4	+ 0·2	298·8	303·0	Sept. 2	..	..	..	..	*296·7*	+0·2	19	− 129
732	San Tiago, C. Verde Is.	14 54	23 31	?40	1009·7	1014·3	− 0·1	299·8	305·6	Oct. 15	295·1	291·0	Mar. 13, 14, 15	297·5	*297·6*	0·0	62	− 226
733	Bathurst	13 27	16 36	1·8	1013·6	1013·8	+ 1·1	303·2	309·7	Mar. 20, Apr. 21	293·3	287·4	{Jan., Feb., Dec.}	298·3	*298·3*	−0·1	892	− 317
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	308·3	317·4	May 7	294·9	286·3	Jan. 24, 25	301·6	..	+0·3	1089	+ 147
735	Ségou	13 34	6 17	250	..	..	..	..	..		..	..		..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..		..	..		..	..	..	020	..
737	Sokoto	13 2	E 5 14	353	..	..	..	308·5	315·8	{Mar. 28, 29 / Apr. 1, 11, 29}	..	..	..	..	‡*299·8*	−0·8	862	+ 217
738	Kaduna Capital	10 32	7 25	637	944·0	1014·7	+ 0·7	304·1	311·9	Apr. 1	291·4	285·2	Jan. 3, 24, 31	297·7	*297·2*	−0·2	1428	+ 67
739	Hadeija	12 40	10 5	?	..	..	..	..	320·2	Apr. 11, 12	..	278·0	Jan. 30	..	..	..	..	..
740	Maiduguri	11 47	13 11	361	..	..	..	309·4	320·2	Apr. 11	292·9	282·4	Jan. 26, 28	301·2	*300·7*	0·0	734	+ 144
741	El Fasher	13 32	25 18	730	..	..	..	..	..		289·1	273·8	Feb. 1	..	*297·8*	..	234	..
743	El Obeid	13 11	30 14	569	..	..	..	307·6	315·7	Apr. 7	291·0	275·1	Feb. 1	299·3	*298·9*	+0·5	286	− 70
743a	Khartoum	15 37	32 33	390	965·1	1008·2	− 0·9	309·1	318·3	Apr. 28	294·4	280·5	Jan. 31	301·7	*302·8*	+0·6	246	+ 101
744	Port Sudan	19 37	37 13	5·5	1009·8	1010·4	+ 0·4	306·3	319·2	June 30	296·8	285·4	Jan. 31	301·5	*301·0*	+0·2	92	− 7
745	Berbera, Somaliland	10 22	45 2	9·5	1009·1	1010·1	− 0·9	308·2	319·1	July 5	297·7	289·7	{Mar. 9 / Dec. 18, 26}	303·0	*303·1*	+0·1	33	− 32
746	Aden	12 45	45 3	28·7	1007·1	1010·1	− 0·6	303·7	310·1	May 11	298·1	292·5	Mar. 9	300·9	*300·4*	−0·4	2	− 52
751	Bombay	18 54	72 49	11·3	1009·1	1010·3	− 0·5	303·5	308·7	Apr. 30	297·1	288·9	Jan. 22	300·3	299·6	+0·4	2185	+ 378
752a	Kodaikanal	10 14	77 28	2343	770·6	..	− 0·3	291·9	297·7	May 10	283·3	277·6	Feb. 26, Nov. 23	287·6	*286·9*	+0·3	1969	+ 387
753	Bangalore	12 59	77 38	920	910·3	1010·8	− 0·1	302·6	310·2	May 20	290·9	284·0	Dec. 21, 25	296·7	*295·9*	+0·3	930	+ 39
754	Madras	13 4	80 14	6·7	1009·3	1010·1	− 0·3	305·8	317·0	May 26	296·9	290·4	Feb. 12, Nov. 10	301·4	*300·9*	+0·3	1383	+ 115
755	Vizagapatam	17 42	83 19	11·6	1008·0	1009·3	− 0·1	303·7	315·7	May 25	297·7	289·9	Jan. 6	300·7	*300·1*	..	794	− 153
756	Port Blair	11 40	92 40	18·0	1007·6	1009·7	− 0·9	303·2	307·7	{Apr. 29 / May 1, 4}	297·8	293·8	Feb. 5	300·5	*299·9*	−0·3	2592	− 381
757	Rangoon	16 46	95 48	5·5	1010·3	1011·0	+ 0·2	304·6	311·4	Apr. 25	296·0	289·1	Feb. 2	300·3	*299·2*	0·0	2597	+ 83
758	Saigon	10 47	106 42	11	1008·2	1009·4	+ 0·1	304·5	308·9	Apr. 20	296·0	290·6	Jan. 15	300·2	*299·6*	−0·4	2142	+ 213
759	Nhatrang	12 15	109 12	3·6	1009·2	1009·6	− 0·1	303·0	309·5	Aug. 17	295·7	289·9	Feb. 9, 14	299·3	*298·8*	−0·7	2073	+ 678
761	Bolinao	16 23	119 53	7·1	1006·5	1007·3	− 1·1	304·9	311·6	May 9	296·7	290·8	Jan. 13	300·8	*300·0*	−0·1	..	..
761a	Vigan	17 34	120 23	12·2	..	1008·6	− 0·6	304·5	309·7	Nov. 3	296·2	292·2	Jan. 8, Dec. 30	300·4	300·3	+0·3	2857	+ 285
763	Manila	14 35	120 59	14·2	..	1009·3	− 0·1	304·7	309·9	May 14	295·7	290·4	Jan. 9, Dec. 8	300·2	299·4	−0·2	2621	+ 599
765	Ormoc	11 0	124 36	5·6	1007·5	1008·2	− 0·2	305·2	308·0	Apr. 19	295·4	290·3	Dec. 12	300·3	*299·5*	+0·4	3198	+ 974
	Gnam, Ladrone Is.	13 24	144 38	20·4	1005·3	1008·0	− 0·7	302·8	305·6	May 21	297·7	294·8	May 3	300·3	*300·1*	+0·1	2134	− 206
		N.	E.															

Between Latitude 10° N. and 0°.

YEAR—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
821	Colon	9 23	79 23	11·0	..	1011·3	+ 0·4	303·1	306·3	Oct. 6	297·4	295·2	7 months	300·2	*299·8*	+0·7	2922	− 356
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	..	..
822a	Merida, Venez.	8 36	71 9	1641	‡841·7	..	+ 0·1	296·7	302·5	July 20	287·9	284·0	Jan. 5	292·3	*291·2*	−0·1	1336	+ 296
823	El Peru, Guayanavieja	7 19	61 49	220	?985·8	?1010·8	+ 0·1	302·8	?305·9	May 29	293·1	?289·7	Nov. 8	298·0	*297·4*	−0·4	1950	+ 113
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·8	+ 1·2	302·4	304·9	Sept. 8	297·0	294·1	July 9, 10	299·7	*299·4*	−0·3	2646	+ 393
826	Paramaribo	5 49	55 9	3·7	‡1013·7	‡1014·1	+ 1·2	303·1	306·6	Sept. 20	295·4	291·7	Feb. 28	299·3	*298·3*	−0·1	2103	− 181
827	Cayenne	4 56	52 21	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
833	Konakri	9 4	13 42	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·9	1011·8	+ 0·4	303·8	309·1	Feb. 17	..	..	..	..	‡*299·9*	−0·5	3408	− 585
836	Assuantsi	5 18	1 15	101	..	..	..	303·4	309·1	Feb. 16, Mar. 15	294·5	288·6	Jan. 25	299·0	*298·4*	..	1212	..
837	Acera	5 33	W 0 12	25·1	..	..	..	303·1	..	..	296·1	293·0	June 15	299·6	*299·1*	+0·6	859	+ 167
838	Lagos	6 27	E 3 24	6·7	1011·2	1011·9	− 0·8	303·1	310·2	Apr., May	297·0	288·6	Mar.	300·1	*299·7*	0·0	2115	+ 295
839	Zungeru	9 48	6 10	130	..	..	..	307·7	316·3	Mar. 28, Apr. 2	293·7	284·7	Dec. 10	300·7	*300·2*	+0·3	1452	+ 319
841	Yola	9 12	12 30	259	..	..	..	307·5	315·8	Apr. 1	..	..	..	..	‡*300·1*	−0·1	922	− 27
	Wau	7 42	28 3	440	..	..	..	..	?314·5	Mar. 20	..	..	..	..	..	..	915	− 173
843	Malakal (Kodok)	9 35	31 37	394	965·0	1008·9	− 0·1	307·9	315·9	Apr. 1	293·9	288·0	Apr. 18	300·9	*299·4*	+0·1	798	+ 12
843a	Mongalla	5 11	31

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·8	308·8	Oct. 31	296·1	293·0	June 22	300·0	*299·2*	—1·0	2436	+785
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	0·0	302·4	306·8	Oct. 7, Nov. 3	295·4	292·6	July 22	298·9	*298·0*	—0·2	2075	+416
927	Turyassu	1 43	45 26	15·1	1009·6	1011·3	+ 0·1	304·0	307·7	Oct. 30	294·9	292·4	July 16	299·4	*298·7*	—0·3	2679	+ 8
928	Barra do Corda	5 30	45 16	81·0	1000·7	1010·1	— 0·6	304·5	311·6	Apr. 1	293·8	287·2	July 15	299·1	*297·9*	—0·5	1045	+334
929	Quixeramobim	5 16	39 15	207	989·1	1012·6	+ 0·4	304·3	308·4	Oct. 30	296·6	292·2	July 15, 20	300·4	*299·8*	—0·6	992	..
930	Fernando Noronha	3 50	W32 25	106	..	..	..	..	..	..	..	..	..	..	..	..	..	..
939	Loanda	8 49	E 13 13	59·3	..	1013·4	+ 1·0	299·3	305·2	Mar. 21	294·8	290·2	Aug. 7	297·0	296·8	+0·3	277	— 39
940	Brazzaville	4 17	15 16	320	‡975·8	‡1011·6	..	..	..	..	?295·3	290·0	July 29, Aug. 2	..	‡*259·7*	..	..	..
943	Masaka	0 21	31 47	?1280	..	..	..	299·0	303·6	Dec. 28	288·7	284·7	Dec. 16, 25	293·9	*292·8*	+0·2	995	— 27
943*a*	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	297·6	303·0	Mar. 14	285·8	279·1	July 19	291·7	..	..	530	—468
944	Nairobi (Kabete Farm)	1 14	36 44	1829	..	..	..	296·7	302·4	Mar. 14	..	..	..	..	..	..	555	—300
944*a*	Zanzibar	6 10	39 11	21·9	1013·0	1015·3	— 0·1	301·9	305·5	Feb. 13	297·7	294·6	July 8, Aug. 27	299·8	*299·2*	+0·1	1261	—536
945	Lamu	2 16	40 50	3·1	..	..	..	302·1	305·2	April 8, 9	297·5	294·1	May 24	299·8	*299·4*	— 0·3	508	— 39
947	Seychelles, Port Office	4 37	55 27	4·6	1011·1	1011·6	— 0·3	..	303·6	{ Mar. 18, 30 / Apr. 12, 19 }	298·0	294·3	Dec. 30	..	‡*300·4*	—0·1	2391	..
957	Padang	0 56	100 22	6·7	..	1010·0	— 1·1	..	..	..	..	..	..	..	..	..	3870	—572
958	Batavia	6 11	106 50	8·0	1008·8	1009·7	— 0·2	303·0	307·2	Oct. 5	296·3	294·0	Nov. 11	299·7	299·3	+0·2	1849	+ 17
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	— 0·1	..	..	..	..	..	..	..	..	..	3625	+422
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	1029	—255
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	2540	+ 10
962	Amboina	3 42	128 10	4·2	..	1009·4	0·0	..	..	..	..	..	..	..	..	..	3610	+187
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967																		
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·6	1009·9	+ 0·8	304·0	?308·6	Dec. 24	297·3	?295·3	Mar. 7	300·6	*300·4*	+0·1	3610	+581
970	Ocean Island	0 52	169 35	54·0	..	..	..	303·6	305·0	May 7, Sept. 24	298·0	295·8	4 months	300·8	*300·1*	—0·1	1225	—906
		S.	E.															

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1011·4	+ 1·1	302·6	305·7	Nov. 29	296·6	293·1	July 4	299·6	299·2	+0·4	3036	+322
1003	Alofi, Nine Island	19 2	169 55	36·6	..	..	..	302·1	309·7	Mar. 11	294·5	288·6	July 13, 25	298·3	*298·1*	+0·3	2028	+ 10
1021	Arequipa	16 22	71 33	2451	761·7	..	+ 0·8	292·7	297·2	July 26	282·8	277·3	June 17	287·7	*287·1*	+0·3	301	+197
1022	Puerto de Arica	18 28	70 20	5	..	..	..	294·6	299·0	Feb.	288·4	284·2	July	291·5	..	..	0	— 1
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	729·5	..	..	288·9	295·2	Nov. 26	278·6	268·2	July 7	283·7	*283·9*	..	890	+225
1025	Corumba	18 59	57 39	116	998·6	1012·0	+ 0·9	302·6	312·2	Dec. 24	292·2	277·0	July 8	297·4	*296·7*	—0·9	1040	—215
1026	Cuyaba	15 36	56 6	165	992·2	1010·9	+ 0·6	304·8	311·5	Sept. 12	292·6	278·0	June 9	298·7	*298·5*	—1·0	1282	—113
1027	Bello Horizonte	19 55	43 57	895	..	..	..	..	..	..	..	..	..	..	*293·2*	+0·2	..	..
1028	Caetite	14 3	42 37	897	916·1	1014·9	+ 0·4	299·3	306·1	Sept. 18	290·0	284·0	July 30, Nov. 10	294·7	*295·2*	+0·2	1031	+174
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·5	1013·9	— 0·3	300·4	304·1	Jan. 12	295·5	291·8	July 14	298·0	*297·8*	0·0	2048	+ 83
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡579	947·5	1013·9	+ 1·8	294·7	301·7	Feb. 26	286·9	283·9	Sept. 8	290·8	*290·6*	+1·1	1067	+ 40
1039	Mossamedes	15 11	E 12 9	12·5	..	..	..	296·4	?308·0	May 24	288·2	281·5	Aug. 7	292·3	..	..	..	..
1042	Gwelo	19 28	29 48	1417	862·7	1015·0	— 0·1	298·7	309·1	Nov. 10	284·9	271·9	July 31	291·8	..	+0·3	985	+311
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1457	‡856·6	‡1013·1	— 1·6	299·0	310·5	Nov. 10	284·4	274·6	Aug. 1	291·7	*290·7*	+0·2	947	—135
1044	Zomba	15 23	35 18	955	908·1	1013·1	— 0·1	298·9	309·1	Nov. 12	288·8	280·2	Aug. 5	293·8	*293·3*	0·0	1508	+122
1045	Antananarivo	18 55	47 32	1400	865·5	1017·4	+ 0·2	297·0	303·3	Oct. 24	285·5	278·1	Aug. 29	291·3	*290·3*	—0·2	1595	+229
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·5	1012·0	0·0	301·7	305·1	May 4	297·8	294·7	Sept. 6, Oct. 26	299·8	*299·5*	0·0	2068	— 40
1057	Christmas Island	10 25	105 43	5·5	1007·6	1008·2	— 0·5	304·3	307·4	Dec.	296·7	293·6	July	300·5	*299·8*	+0·4	2014	—158
1061	Kupang	10 10	123 34	45·1	..	1010·1	+ 0·1	..	308·8	Oct. 5	..	291·2	June 9	..	..	..	1328	—156
1061*a*	Derby	17 18	123 40	16·2	1009·7	1011·5	+ 0·3	306·3	313·3	Dec. 12	294·8	280·9	July 4	300·6	..	+0·2	400	—280
1062	Hall's Creek	18 13	127 46	374	969·5	1011·6	0·0	306·1	316·3	Nov. 16	291·4	275·1	July 4, 5	298·8	*298·2*	+0·2	501	— 25
1063	Darwin	12 28	130 51	29·6	1006·2	1009·6	+ 0·1	305·8	309·7	Oct. 30	296·8	289·1	July 2	301·3	*300·2*	+0·2	1443	—128
1064	Daly Waters	16 16	133 23	211	984·8	1008·8	— 1·2	306·1	315·8	Nov. 15, 16	292·6	279·7	July 3, Aug. 3	299·4	*298·8*	—0·5	986	+328
1065	Mein	13 13	142 47	122	995·0	1009·0	— 0·4	303·6	311·1	Oct. 12, Dec. 5	293·6	279·3	July 25	298·6	*298·0*	—0·6	1212	+ 1
1066	Georgetown, Queensland	18 22	143 32	302	978·1	1012·4	+ 0·7	304·9	313·8	Dec 8	291·7	274·7	Aug 2	298·3	..	+0·1	708	—134
1066*a*	Willis Island	16 18	149 59	8·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1067	Samarai	10 37	150 40	15·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1072	Suva, Fiji	18 8	178 26	6·1	..	1013·3	+ 0·6	302·4	305·6	Mar. 19	293·5	287·6	July 14	298·0	*297·8*	0·0	4335	+1460
		S. ° ′	E. ° ′		mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

YEAR—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·2	304·4	Dec. 8, 29	294·5	288·0	July 23	296·8	*296·6*	+0·2	2785	+816
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·6	1016·8	+ 0·6	289·9	296·2	Jan. 31	285·0	278·8	June 16	287·5	*287·3*	0·0	104	— 21
1122	Iquique	20 12	70 11	9	1014·4	1015·5	+ 0·4	293·7	303·5	Jan. 16	287·8	284·1	June 6, 7	290·7	*290·9*	—0·2	3	+ 2
1123	Catamarca	28 27	65 47	510	953·9	1011·8	+ 0·8	300·4	315·2	Feb. 15	285·2	268·4	July 4	292·8	292·3	—0·9	438	+112
1124	Salta	24 46	65 28	1178	882·7	1012·5	+ 0·4	296·6	307·2	Dec. 15	283·7	263·5	July 4	290·1	289·9	—0·5	996	+385
1125	Goya	29 9	59 15	26	1010·4	1013·5	+ 0·1	300·0	314·0	Dec. 13	287·6	273·0	June 16	293·8	293·1	+0·3	996	— 61
1126	Asuncion	25 21	57 37	93	1003·1	1013·9	+ 1·5	..	316·5	Dec. 11	289·7	272·5	June 21	..	295·7	+0·1	1394	+135
1127	Curityba	25 25	49 17	908	914·2	1015·8	0·0	295·3	306·0	Dec. 15	284·1	268·2	June 11	289·7	*288·8*	—0·4	1337	—115
1128	Rio de Janeiro	22 54	W43 10	61·4	1008·5	1015·7	+ 0·5	298·6	308·5	Jan. 6	292·8	286·3	June 10	295·7	295·4	—0·2	762	—361
1139	Windhoek	22 35	E 17 5	1680	..	..	..	298·2	306·0	Jan. 18, Dec. 20	285·8	275·0	July 23	292·0	*292·0*	0·0	347	— 28
1140																		
1141	Kimberley	28 42	24 47	1202	883·7	1015·7	+ 0·2	298·2	310·8	Jan. 26	282·5	267·0	July 7	290·4	290·0	—0·5	392	— 19
1141*a*	Johannesburg	26 11	28 4	1806	823·7	1016·6	— 0·1	293·5	304·7	Jan. 21	282·4	269·7	Aug. 10	287·9	*287·5*	—0·5	805	— 39
1142	Pretoria (Brooklyn)	25 46	28 13	1400	864·0	1016·0	+ 0·1	296·7	307·2	Jan. 21	283·0	271·3	July 7	289·9	*289·5*	—0·2	798	+ 11
1142*a*	Bulawayo	20 9	28 35	1340	869·6	1014·8	+ 0·1	297·9	307·4	Oct. 28	285·2	273·6	Aug. 2	291·5	*291·0*	—0·6	785	+187
1143	Durban	29 52	31 3	15·2	1017·1	1018·9	0·0	297·7	307·4	Mar. 7	289·4	278·7	July 7	293·6	*293·1*	—0·3	1490	+407
1144	Lourenço Marques	25 58	32 36	59	..	1017·1	— 0·2	300·5	311·3	Jan. 27	290·6	281·8	July 8	295·5	295·0	0·0	916	+122
1147	Mauritius	20 6	57 33	55·2	1008·9	1015·3	— 0·8	299·6	306·6	Dec. 24	292·3	284·5	Aug. 24	295·9	295·6	—0·4	1201	— 60
1159	Onslow	21 43	114 57	4·3	1010·8	1011·3	— 0·4	304·9	317·3	Jan. 9	290·6	279·7	July 2	297·7	..	+0·2	566	+350
1160	Peak Hill	25 38	118 47	588	946·2	1012·3	+ 0·3	302·6	..	..	289·1	277·4	July 25	295·9	..	+0·5	239	— 24
1161	Nullagine	21 53	120 5	386	967·7	1011·4	— 0·2	305·3	316·9	Dec. 22	289·6	273·6	July 5	297·4	..	—0·3	337	+ 3
1162	Laverton	28 40	122 23	466	962·1	1015·2	0·0	301·1	317·0	Jan. 21	286·9	272·3	July 30	294·0	*293·9*	+0·9	234	— 15
1163	Alice Springs	23 38	133 37	587	946·8	1013·3	— 1·0	300·5	313·6	Feb. 2, Nov. 15	285·3	271·3	July 3	292·9	*292·9*	—1·0	539	+256
1164	William Creek	28 55	136 21	76·2	1006·8	1015·7	+ 0·1	300·9	319·1	Jan. 25	285·9	273·0	Aug. 17	293·4	*293·1*	+0·1	224	+ 90
1164*a*	Boulia	22 55	139 38	146	995·1	1011·9	+ 0·2	303·9	315·2	Nov. 25, Dec. 1	290·3	276·0	Aug. 2	297·1	*297·1*	+0·3	413	+128
1165	Thargomindah	27 58	143 43	123	999·9	1014·2	+ 0·3	301·0	314·3	Jan. 10, Feb. 2	288·8	274·3	Aug. 6	294·9	*294·6*	+0·2	377	+ 94
1166	Mitchell	26 32	147 52	336	976·6	1015·0	..	299·7	311·9	Nov. 3	286·3	270·8	Aug. 6	293·0	..	+0·7	775	+160
1167	Rockhampton	23 24	150 30	11·3	1013·5	1014·9	+ 0·3	300·6	313·6	Jan. 12	290·8	277·4	Aug. 6	295·7	*295·1*	—0·1	1447	+432
1168	Brisbane	27 28	153 2	41·7	1012·1	1017·0	+ 1·2	298·1	308·7	Dec. 6	289·0	278·6	Aug. 6	293·6	*293·1*	+0·1	1380	+247
1170	Norfolk Island	29 4	167 59	15·2	1016·8	1018·6	+ 2·3	295·3	301·9	Jan. 1	289·2	283·0	July 14	292·3	*291·9*	+0·1	910	—486
		S.	E.															

Between Latitude 30° S. and 40° S.

YEAR—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	276·8	Aug. 2	..	..	..	..	..
1221*a*	Punta Tumbes	36 37	73 6	120	1003·1	1017·6	+ 0·7	288·8	300·0	Nov. 7	281·8	274·5	June 20	285·3	*285·3*	—0·4	458	— 60
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·5	1016·4	— 0·1	291·7	301·5	Jan. 31	283·4	275·8	June 16	287·5	*287·0*	—1·0	708	+220
1222*a*	Santiago	33 27	70 42	520	955·6	1016·2	+ 0·4	295·3	307·5	Jan. 12	279·9	269·4	June 16	287·6	*286·6*	+0·1	435	+ 71
1223	Cordoba	31 25	64 12	423	965·2	1014·0	+ 0·5	298·2	312·5	Dec.	282·4	265·5	June	290·3	290·0	+0·1	573	—131
1224	Bahia Blanca	38 45	62 15	25	1011·9	1014·9	+ 1·4	294·6	314·9	Jan. 23	282·3	267·5	July 3	288·5	288·4	0·0	558	+ 20
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1013·2	1016·1	+ 0·4	294·3	310·5	Dec. 11	283·7	269·1	July 3	289·0	289·0	—0·7	923	— 19
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1015·1	0·0	293·0	306·9	Dec. 11	286·2	274·1	June 21	289·6	*289·4*	0·0	1030	— 12
1226*a*	Porto Alegre	30 2	W51 13	23·5	1012·6	1015·4	— 0·4	297·4	311·8	Dec. 31	286·7	270·8	June 21	292·1	291·6	—0·6	1225	— 15
1239	Cape Town	33 56	E18 29	12·2	..	1016·9	— 0·1	294·8	310·8	Feb. 24	285·2	274·7	July 20	290·0	*288·6*	+0·2	656	+ 12
1240	Danger Point	34 37	19 18	27·7	1008·2	1011·5	..	291·9	304·7	Feb. 24	285·4	274·1	Aug. 11	288·7	..	..	851	+214
1241	Riversdale	34 6	21 16	?61	..	..	..	..	..	..	..	270·2	July 21, 22	..	..	..	468	+ 32
1242	East London	33 1	27 54	9·8	1015·4	1016·6	— 0·5	296·2	309·1	Sept. 20	287·0	276·3	July 3	291·6	..	+0·4	797	+150
1259	Perth (Observatory)	31 57	115 51	60·0	1008·7	1015·9	— 0·6	296·9	315·4	Jan. 28	286·9	277·3	June 29	291·9	*291·7*	+1·0	1043	+182
1260	Katanning	33 42	117 35	310	980·5	1016·2	+ 0·1	295·3	313·3	Feb. 8	283·3	273·0	July 30	289·3	..	+0·7	529	+ 65
1261	Coolgardie	30 57	121 10	423	966·7	1015·3	— 0·5	298·9	317·6	Jan. 21	284·7	271·9	July 29	291·8	*291·7*	+0·7	299	+ 41
1262	Eucla	31 45	128 58	4·6	1015·6	1016·2	— 0·2	295·5	317·8	Nov. 16	285·7	275·2	Aug. 3	290·6	*290·1*	+0·2	244	— 10
1263	Streaky Bay	32 48	134 13	13·1	1015·9	1017·2	0·0	297·4	316·3	Jan. 7	285·6	275·8	July 23	291·5	*290·9*	+1·3	372	— 7
1264	Adelaide	34 56	138 35	42·7	1012·5	1017·6	+ 0·5	296·6	316·1	Jan. 23	285·1	275·8	June 27	290·8	290·3	+0·6	575	+ 36
1265	Melbourne	37 49	144 58	35·1	1013·1	1017·4	+ 1·1	293·1	314·9	Jan. 24	283·6	273·6	June 27	288·4	*288·1*	+0·7	755	+108
1266	Bourke	30 13	145 58	111	1005·6	1018·6	+ 0·5	300·5	316·3	Jan. 24, Nov. 5	286·6	275·8	{ June 19 / Aug. 6,7,26 }	293·6	..	0·0	487	+135
1267	Sydney	33 51	151 13	40·5	1012·3	1017·0	+ 1·1	295·2	310·3	Mar. 25	286·7	277·4	Aug. 6	291·0	*290·5*	+0·7	1103	—113
1268	Lord Howe Island	31 20	159 0	4·6	1017·2	1017·8	+ 1·5	295·8	301·9	Dec. 26	289·1	279·6	Aug. 18	292·4	..	+0·2	1265	—436
1271	Auckland	36 50	174 50	38·1	..	1016·9	..	291·0	298·8	Jan. 10	284·8	276·1	July 24	287·9	..	—0·2	1008	—108
1272	Napier	39 32	176 53	21·3	..	1015·4	+ 1·7	291·8	306·9	Jan. 3	282·2	272·7	Apr. 22	287·0	..	—0·3	..	..
		S.	E.															

Between Latitude 40° S. and 50° S.

YEAR—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1009·3	..	..	..	..	..	:	..	..	..	..	757	—166
1321	Isla Guafo	43 34	74 45	140	998·2	1015·2	0·0	284·5	299·4	Mar. 8	280·4	274·0	July 1, Aug. 5	282·5	*282·4*	—0·4	1028	— 28
1322	Punta Galera	40 1	73 44	40	1013·0	1017·9	+ 1·4	286·4	294·2	Mar. 7	281·4	275·4	June14, Aug.27	283·9	*284·4*	—0·3	2119	— 98
1323	Sarmiento	45 30	69 0	274	977·5	1008·7	..	..	304·2	Jan. 3	277·4	263·0	July 19	..	283·1	—0·5	119	— 6
1324	Punta Madryn	42 49	W64 58	14	1011·5	1013·2	..	292·9	312·0	Jan. 20	280·5	268·0	July 25	286·7	286·4	—0·1	149	— 4
1365	Launceston	41 27	E147 10	10·1	1013·2	1014·4	+ 1·0	292·3	308·8	Jan. 24	281·2	270·9	Aug. 6	286·7	*285·9*	+1·1	658	— 58
1366	Hobart	42 53	147 20	53·9	1007·2	1013·7	+ 1·3	290·3	308·7	Nov. 17	281·7	272·9	July 31	286·0	*285·2*	+0·6	457	—145
1370	Invercargill	46 25	168 21	3·7	..	..	..	287·8	305·2	Jan. 12	278·3	269·7	July 26	283·0	..	0·0	1220	+ 36
1371	Dunedin	45 52	170 31	91·4	..	1013·5	+ 1·7	..	304·1	Jan. 11	..	272·4	Aug. 5, 7	..	..	..	754	—183
1371*a*	Christchurch	43 31	172 39	7·6	..	1013·4	+ 0·8	289·0	307·6	Jan. 4	279·9	268·3	Aug. 7	284·4	..	0·0	584	— 56
1372	Wellington	41 16	174 46	3·1	..	1015·3	+ 1·3	289·3	300·6	Jan. 2	282·4	272·1	July 11	285·8	..	—0·1	1089	—133
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RESEAU MONDIAL.

YEAR—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	996·8	1003·5	+ 1·1	280·8	285·9	Mar. 10	277·3	270·0	July 23, Aug. 20	279·1	*278·9*	—0·4	3276	+224
1422	Puerto de Punta Arenas	53 10	70 54	28	998·4	1001·8	— 0·4	282·6	295·4	Jan. 14	277·0	269·0	May, July, Aug.	279·8	*279·9*	+0·4	307	— 75
1423	Punta Dungeness	52 24	68 26	5	1001·2	1001·8	+ 0·4	282·9	297·8	Jan. 14	276·8	266·4	Aug. 21	279·9	*279·8*	—0·4	..	+ 88
1424	Santa Cruz	50 11	68 21	12	1003·3	1004·7	— 0·8	286·7	306·8	Jan. 14	276·9	258·4	Aug. 21	281·8	281·7	+0·1	230	— 72
1424a	Año Nuevo	54 39	64 8	50	993·6	999·7	+ 1·2	281·2	290·6	Feb. 19	275·9	267·0	Aug. 20	278·5	*278·1*	—0·1	542	—
1425	Stanley, Falkland Is.	51 41	57 51	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	999·9	1002·5	+ 0·6	281·3	291·3	Jan. 15	275·4	266·9	Aug. 22	278·3	278·9	—0·2	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	998·2	998·7	+ 1·5	277·5	288·8	Jan. 4	270·8	261·5	Aug. 13, 28	274·1	*274·4*	—1·0	1115	—230

YEAR—ZONE 15.

Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1527	South Orkneys.	60 44	44 39	7	993·0	993·9	+ 1·2	271·2	279·2	Apr. 10	265·3	241·6	Aug. 19	268·3	268·4	—0·1	346	— 57

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

SUMMARY OF RESULTANT WINDS FOR THE YEAR, 1921.

	St. Helena. 1035.		Fanning Island. 805.	Sierra Leone. 834.	Entebbe. 844.	Malden Island. 905.	Tulagi. 969.	Ocean Island. 970.	Suva, Fiji. 1072.
§ Resultant	150° (85)	..	..	225° (27)	180° (55)	..	135° (37)	70° (61)	90° (34)
§ Normal	141° (89)	††7·3	‖105° (73)	272° (22)	255° (33)	81° (81)	134° (47)	‖100° (43)	96° (53)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at ? 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1921.

‡‡ *Kara Sea.*—In July and August ice was observed along the coast of Novaya Zemlya north of Matoschkin Strait, but the sea was open towards the south.

‡‡ *White Sea* was free of ice from the end of April to the end of October.

‡‡ *Barents Sea.*—In the southern part very little ice was observed in 1921 and the sea was free of ice towards the north along the west coast of Novaya Zemlya at the end of May. In the northern part the ice edge was more northerly than usual in May and June but no later information was received.

‡‡ *Spitsbergen.*—Along the west coast the ice conditions were unusually favourable during the winter 1920–1, the coast being free of ice and none of the fjords freezing up for any length of time. From the middle of the summer the conditions became more difficult than usual owing to continuous easterly winds. The whole coast line was free of ice for only a short time in September. No report was received stating that Spitsbergen was circumnavigated in 1921.

‡‡ *Iceland.*—The coasts of Iceland and Grimsey were free of ice except during June and July. In June the ice edge was only about 30 miles offshore along the north coast from Skagataa to Langenaes, but in July this edge was more northerly and was seen only occasionally.

‡‡ *Greenland Sea and Denmark Strait.*—Until July the position of the ice edge was about normal but by the end of July and in August the edge was about 100 miles more westerly than usual between 70° and 75° N., but more easterly than usual further south. At Angmagsalik unbroken ice was observed in some fjords as late as August. From Karlshavn no open water was visible through the winter 1921–2 and Gael Hamkes Bay was blocked from October to the spring.

‡‡ *N. Atlantic and Labrador.*—Seven hundred and forty-three icebergs were observed on the Newfoundland Banks, south of the 48th parallel, the normal being 406. The drift of icebergs was especially abundant in April and June. Floes made their appearance in January and in the Gulf of St. Lawrence ice was abundant until the end of April.

‡‡ *Davis Strait and Baffin Bay.*—"Storis" was scarcer than normal most of the year but the first "Storis" of the new season rounded Cape Farewell on November 21st, which is unusually early. During the winter 1920–1 the west ice lay a very long time at the northern colonies but it was scarcer during the winter 1921–2. The occurrence of icebergs was about normal. Ice conditions along Baffin Land were very favourable during the summer.

Bering Sea.—It is reported that 1921 was a year of very little ice in the Nordenskiold Sea and of little ice to the northwest of Bering Sea.

‡‡ *Isforholdene i de arktiske Have, 1921 and 1922*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1921.

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1921, AND THE PERIOD OF THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION (LOCAL MEAN TIME), FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. **P**=Barometric Pressure. **T**=½ (M + *m*) Temperature. **T**=True Mean Temperature. **R**=Precipitation. **ZONE 1.**

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
105	Barrow	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1921.	**T**, 12 yrs. **R**, 10 yrs.	c **P**=⅛ (7 +19).
123	Inglefield Bay	Copenhagen, Dansk Meteor. Aarbog, 1921.	**P**, 9–14 yrs., 1853–1919.	k! **P**=⅛ (8 +14 +21). **T**=½ [2 (8 +14) +5×21]. H_b small, but not known exactly.
124 125	Upernivik	Do. do.	**P**, 1874–1920. **T**, **R**, 1873–1920.	e **P**=⅛ (8 +14 +21). **T**=½ [2(8 +14) +5×21].
135	Jan Mayen	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1922.	..	ek **P**, **T**=mean of 24 hrs.
139	Spitsbergen (Green Harbour)	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1921, 1922.	**P**, 15 yrs., 1872–1921. **T**, **R**, Dec., 1911–June, 1921.	ek **P**, **T**=mean of 24 hrs.
140	Björnöen	MS. data supplied by Norweg. Meteor. Instituts, Kristiania.	..	e **P**=⅛ (8 +14 +19). **T**=n–k (n–min.) where n is the mean of the three fixed daily observations and k is a factor varying with the station and month.
141	Gjesvaer	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1921.	**P**, (1851–1900). **T**, 1841–1917. **R**, 1883–1912.	ek **P**=⅛ (8 +13 +19). **T**, see Björnöen, No. 140.
142 143	Mehavn Vardö	Do. do. Do. do.	**P**, **T**, **R**, 25 yrs., 1898–1923. **P**, (1851–1900). **T**, 1841–1921. **R**, 1893–1921.	ek ek } **P**=⅛ (8 +14 +19). **T**, see Björnöen, No. 140.
147	Malye Karmakouly	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, 16 yrs., **T**, 15 yrs., 1896–1920. **R**, 10 yrs., 1896–1916.	ek **P**=½ (7 +13 +21). **T** derived from these hours.
148	Waigatz	Do. do.	**P**, (1871–'95).	e **P**=½ (7 +13 +21). **T** derived from these hours.

Between Latitude 70° N. and 60° N. **ZONE 2.**

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
203	Nome	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1921, and Rep. of Chief of Weather Bureau, 1921-1922.	**P**, (1901–20). **T**, **R**, 19 yrs.	**P**=½ (6 +18). **T**=¼ (6 +18 +M +*m*).
204	Candle	..	..	..
205 206	Tanana Rampart	See No. 203. Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1921.	**P**, (1901–20). **T**, **R**, 25 yrs. **T**, **R**, 19 yrs.	**P**=½ (7 +19). **T**=¼ (7 +19 +M +*m*). ..
207 208 209	Valdez Eagle Dawson	See No. 203. See No. 203. See No. 203.	**P**, (1901–20). **T**, 14–16 yrs. **R**, 13–16 yrs. **P**, (1901–20). **T**, **R**, 15 yrs.	**P**=½ (7 +19). **T**=¼ (7 +19 +M +*m*). **P**=½ (8 +18).
210	Carcross	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1921.	**P**, 1902–18. **T**, 1901–18. **R**, 1898–1914.	bce **P**=⅓ (8 +16 +20).
211	Fort Good Hope	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1921, and MS. data.	**T**, 15 yrs. **R**, 1907–21.	..
212 213	Fort Simpson Hay River	MS. data supplied by Canadian Meteor. Service, Toronto. Do. do. Do. do.	**R**, 1898–1922. **T**, 25 yrs. **R**, 15 yrs., 1897–1917. **P**, 1909–22; '25. **T**, 25 yrs. **R**, 1910–19.	**P**=½ (8 +16½). .. **P**=½ (8 +17).
225	Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1921.	**P**, **T**, **R**, 1873–1920.	e **P**=⅛ (8 +14 +21). **T**=½ [2(8 +14) +5×21].
226	Godthaab	Do. do.	**P**, 1873–1920. **T**, 1875–1920. **R**, 1873–1917.	e Do. do.
227	Ivigtut	Do. do.	**P**, 1878–1920. **T**, 1879–1920. **R**, 1875–1920.	e Jan. to Sept., **P**=⅛ (8 +14 +21). **T**=½ [2(8 +14) +5×21]. Oct. to Dec. **P**=⅛ (8 +15 +21). **T**=½ [2(8 +15) +5×21].
229	Angmagsalik	Do. do.	**P**, **T**, 1894–1920. **R**, 25 yrs., 1897–1923.	e **P**=⅛ (8 +14 +21). **T**=½ [2(8 +14) +5×21].
231	Stykkisholm	Reykjavik, Annuaire Météor. d'Islande, 1921.	**P**, 1845–1923. **T**, 1846–1900. **R**, 1856–1923.	ce **P**=⅛ (8 +14 +21). **T**=½ [2(8 +14) +5×21].
232	Vestmanno	Do. do.	**P**, 1881–1923. **T**, 1878–1916. **R**, 1880–1923.	ce Do. do. Pressure and temperature values for the Year have been reduced to height of 7·7 m. The **R** normal Oct. to Dec. refers to station at height of 7·7 m.
233 233a 234	Grimsey Akureyri Berufjord	Do. do. Do. do. Do. do.	**P**, 1874–1918; '20–23. **T**, 1875–1916. **P**, 1874–1918, '20–23. **P**, 1872–1923. **T**, 1873–1916. **R**, 1873–1923.	ce Do. do. c **P**=⅛ (6 +13 +16). ce **P**=⅛ (8 +14 +21). **T** (Jan. to Oct.)=mean of 24 hrs. **T** (Nov. Dec. Year)=¼ [2 (8 +14) +5×21].
235	Thorshavn	Copenhagen, Dansk Meteor. Aarbog, 1921, and MS. data.	**P**, **R**, 1872–1920. **T**, 1871–1916.	ce **P**=⅛ (8 +14 +21). **T**=½ [2(8 +14) +5×21].
236	Lerwick	London, Monthly Weather Rep. of Meteor. Office, 1921.	**P**, 1871–1915. **T**, **R**, 1881–1915.	ce **P**=⅛ (7 +13 +21). M.S.L. reduced to 24 hrs. **T**=¼ (7 +13 +2×21).
237	Bergen (Met. Obs.)	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1921, and MS. data.	**P**, (1851–1900). **T**, 1861–1910. **R**, 1765–'70; 1861–1921.	See Björnöen No. 140.
238	Aalesund	MS. data supplied by Director Norske Meteor. Inst., Oslo.	**P**, (1851–1900). **T**, 69 yrs., 1841–1926. **R**, 43 yrs., 1867–1926.	kl **P**=⅛ (8 +14 +19). **T**=$\frac{8+19}{2}$ +c (14—$\frac{8+19}{2}$) where c is a constant.
239	Trondhjem	See No. 237.	**P**, (1851–1900). **T**, 1841–1917. **R**, 1885–1919.	ek See Björnöen, No. 140.
240	Bodö	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1921.	**P**, (1851–1900). **T**, 1841–1917. **R**, 1869–1912.	
241	Haparanda	Stockholm, Statens Meteor.-Hydrogr. Anstalt, Arsbok, III, 1921.	**P**, (1851–1900). **T**, 1859–1900. **R**, 1860–1910.	ce **P**=⅛ (8 +14 +21). **T** derived from these hours.
242	Helsingfors	MS. data supplied by Valtion-Meteor. Keskuslaitos, Helsingfors.	**P**, (1851–1900). **T**, 1845–56; '82–1915. **R**, 70–71 yrs., 1844–1915.	**P**=⅛ (7 +14 +21). **T**=mean of 24 hrs.
242a	Knopio	Do. do.	**P**, (1851–1900). **T**, 35 yrs., 1884–1919. **R**, 1886–1920.	**P**=⅛ (7 +14 +21). **T**=¼ (7 +14 +2×21).

For notes *see* page 114.

ZONE 2—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
243	Kola	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, 47 yrs., 1871–1920. **T**, 1876–1908; '10–15. **R**, 35 yrs., 1878–1915.	e **P**=⅓ (7+13+21). **T** derived from these hours.
244	Petrozavodsk	..	..	..
245	Arkhangelsk	See No. 243.	**P**, 1851–1917. **T**, 1813–1917. **R**, 1871–1917.	e **P**=⅓ (7+13+21). **T** derived from these hours.
246	Mezen	Do.	**P**, 1871–1908. **T**, **R**, 1883–1908.	e Do. do.
247	Oust-Tsylma	Do.	**P**, 1871–1915. **T**, 25 yrs., 1890–91; '96–1920.	e Do. do.
248	Tcherdyn	Do.	**P**, (1851–1900). **T**, 25 yrs., 1847–48; '88–1915. **R**, 25 yrs., 1885–1912.	e Do. do.
249	Berezov	..	..	..
250	Obdorsk	..	..	..
251	Sourgout	See No. 243.	**P**, (1851–1900). **T**, 27 yrs., 1884–1913. **R**, 26 yrs., 1884–1908, '11–13.	ek **P**=⅓ (7+13+21). **T** derived from these hours.
252				
253	Doudinka	Do.	**P**, **T**, **R**, 1907–08; '10–17.	ek Do. do.
254	Touroukhansk	Do.	**P**, (1871–95). **T**, 35 yrs., 1843–44; '77–1920. **R**, 1877–91.	ek Do. do.
261	Viliouisk	Schostakowitsch, V.B., Contributions à l'étude du climat de la République Iakoute . . . . Leningrad, 1927.	**T**, 1898–1922. **R**, 25 yrs., 1898–1923.	**T** derived from ⅛ (7+13+21).
262	Iakoutsk	See No. 243.	**P**, 1871–1908; '11–13. **T**, 49 yrs., 1829–1913. **R**, 35 yrs., 1837–1918.	ek **P**=¼ (7+13+21). **T** derived from these hours.
263	Verkhoïansk	Do.	**P**, 15 yrs., 1901–05; '10–20. **T**, 26 yrs., 1869–1913. **R**, 25 yrs., 1886–1908; '10–16.	ek Do. do.
271				
272				

ZONE 3. Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
301	Atka	..	..	..
302	St. Paul Island	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1921.	**P**, (1901–20). **T**, 14 yrs. **R**, 23 yrs.	c **P**=½ (6+18).
303	Dutch Harbor (Radio)	Do. do.	**P**, (1901–20). **T**, (1898–1916). **R**, 1905–20.	**P**=½ (1+13).
304				
305	Dillingham	Do. do.	**T**, 12 yrs. **R**, 11–12 yrs.	
306	Kodiak (Radio)	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1921, and Rep. of Chief of Weather Bureau, 1921–22.	**P**, (1901–20). **T**, 10 yrs. **R**, 16–21 yrs., 1898–1910; '13–20.	**P**=½ (2+14). **R**, (Jan. to Apr., June, Aug., Nov., Dec., Yr.) interpolated from Experimental Station.
309	Sitka	Do. do.	**P**, (1901–20). **T**, 43 yrs. **R**, 58 yrs.	c **P**=½ (8+20). **T**=½ (8+20 +M+m).
310	Prince Rupert	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1921, and MS. data.	**P**, 1911–25. **T**, 1909–23. **R**, 1910–24.	bce **P**=½ (5+17). **T**=¼ (5+17 +M+m). "b" refers to Feb. to Dec.
311	Barkerville	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1921.	**P**, 25 yrs., 1899–1924. **T**, 31 yrs. **R**, 1888–1913.	bce **P**=½ (5+17). **T**=¼ (5+17 +M+m).
312	Kamloops	Do. do.	**P**, 1900–18. **T**, 27 yrs. **R**, 1892–1913.	bce **P**=⅓ (4½+16½). **T**=¼ (4½+16½ +M+m).
313	Calgary	Do. do.	**P**, 1900–18. **T**, 34 yrs. **R**, 1884–1917.	bce **P**=⅓ (5½+17½). **T**=¼ (5½+17½ +M+m).
314	Fort Chipewyan	MS. data supplied by Canadian Meteor. Service, Toronto.	**P**, 10 yrs., 1910–22. **T**, 35 yrs. **R**, 25 yrs.	**P**=⅓ (8+18). **T** derived from ⅛ (M+m).
315	Prince Albert	See No. 311.	**P**, 1900–18. **T**, 34 yrs. **R**, 1884–1917.	bce **P**=½ (6+18). **T**=¼ (6+18+M+m).
316	Qu' Appelle	Do.	**P**, 1900–13; '15–18. **T**, 34 yrs. **R**, 1883–1917.	bce **P**=½ (6+18). **T** derived from ¼ (6+18+M+m).
317	Minnedosa	Do.	**P**, 1895–1919. **T**, 35 yrs. **R**, 1883–1917.	bce **P**=½ (7+19). **T**=¼ (7+19+M+m).
318	Berens River	Toronto Meteor. Service, Monthly Record of Meteor. Obs., 1921, and MS. data.	**T**, 25 yrs. **R**, 1886–1920.	..
318*a*	Port Nelson	See No. 311.	**P**, 10 yrs., 1915–25. **T**, **R**, 10 yrs.	bce **P**=½ (7¾+18½).
319	Fort Hope	See No. 310.	**T**, unknown. **R**, 17 yrs.	**P**=½ (9+21). **T**=¼ (9+21+M+m). This is a change from 1920 when **T** = ¼ (7+19+M+m). Hb deduced from mean pressure.
320	Moose Factory	See No. 311.	**P**, 1901–18. **T**, unknown. **R**, 1878–1907.	be **P**=⅓ (9+14+19).
321	Fort George	See No. 314.	..	..
322	Mistassini Post	Do.	**T**, **R**, 10 yrs., 1914–25.	..
324	Natashquan	See No. 318.	**T**, **R**, 10 yrs., 1914–25.	..
326	Belle Isle	See No. 314.	**P**, 1900–09; '11–13; '17–18. **T**, 1888–1918. **R**, 35 yrs.	c **P**=½ (8+20). **T**=¼ (8+20+M+m).
333	53°—48° N. 20°—15° W.	MS. data at M.O.	Sea Temperature, 1855–1917. Marine Observer, vol. iii, 1926.	
334	Cahirciveen (Valentia Obs.)	London, Monthly Weather Rep. of Meteor. Office, 1921.	**P**, **R**, 1871–1915. **T**, 1881–1915.	e **P**, **T**=mean of 24 hrs.
335	Aberdeen	Do. do.	**P**, **R**, 1871–1915. **T**, 1881–1915.	e Do.
336	Greenwich	Do. do.	**P**, **T**, **R**, 1881–1915.	e Do.
337	Uccle	MS. data supplied by Inst. Roy. Météor. de Belgique.	**P**, 1833–1904. **T**, 1886–1920. **R**, 1833–1900.	e **P**, **T**=mean of 24 hrs.
338	De Bilt	Utrecht, K. Nederlandsch Meteor. Inst., Jaarboek, 1921.	**P**, **T**, 1851–1900. **R**, 1897–1921.	ae Do.
338*a*	Hamburg	Hamburg, D. Seewarte, Ergebn. der Meteor. Beob., 1921.	**P**, **T**, 1876–1910. **R**, 1867–1916.	e **P**=⅛ (8+14+20). **T** (May–Aug.)=¼ (8+20+M+m), (Sept.–April)=⅓ [5 (8+20)+2×14]. **P** (Jan. 1st to 1st) corrected to height of 40·3 m.
339	Copenhagen	Copenhagen, Dansk Meteor. Aarbog, 1921.	**P**, 1842–1917. **T**, 1876–1915. **R**, 1822–1917.	ce **P**=¼ (8+14+21). **T** derived from these hours.
340	Potsdam	Berlin, Ergebn. d. Meteor. Beob. in Potsdam, 1921–23.	**P**, 1851–1916. **T**, 1893–1917. **R**, 1877–1916.	e **P**, **T**=mean of 24 hrs.
340*a*	Uppsala	Uppsala, Bull. mens. de l'Obs. Météor., 1921.	**P**, 1851–1900. **T**, 1866–1910. **R**, 1860–1910.	e **P**, **T**=mean of 24 hrs.
341	Warsaw	MS. data supplied by Inst. Centr. Météor., Warsaw.	..	..
342	Dorpat (Jurjev)	Dorpat, Meteor. Jahrb. für Eesti, 1921.	**P**, **T**, **R**, 1866–1915.	e **P**, **T**=mean of tri-hourly observations.

For notes *see* page 114.

ZONE 3—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
343	Petrograd	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, **T**, 1851–1900. **R**, 90 yrs., 1778–97; 1835–1915.	e **P**=⅓ (7+13+21). **T** derived from these hours.
344	Kiev	MS. data supplied by Meteor. Obs. d. Univ., Kiev.	**P**, 1871–1915. **T**, 1851–1900. **R**, 1856–1915.	Do. do.
344*a*	Moscow	See No. 343.	**P**, 1871–1915. **T**, 1851–1900. **R**, 61–62 yrs., 1853–1915.	e Do. do.
345	Saratov	Do.	**P**, (1851–1900). **T**, 52 yrs., 1836–1915. **R**, 40 yrs., 1855–57; '73–80; '84–1915.	e Do. do.
346	Kazan	Do.	**P**, **T**, 1851–1900. **R**, 53 yrs., 1829–32; '55–58; '70–1915.	e Do. do.
347	Orenburg	Do.	**P**, (1851–1900). **T**, 1843–75; '86–1915. **R**, 62 yrs., 1843–76; '85–1915.	e Do. do.
348	Perm	Do.	**P**, (1851–1900). **T**, 1866–70; '83–1915. **R**, 35 yrs., 1882–1917.	e Do. do.
349	Sverdlovsk (Ekaterinburg)	Do.	**P**, **T**, 1851–1900. **R**, 1836–1915.	e Do. do.
350	Tobolsk	Do.	**P**, 23 yrs., 1885–1913. **T**, 54 yrs., 1832–1913. **R**, 35 yrs., 1841–1913.	e Do. do.
351	Akmolinsk	..	..	..
352	Omsk	See No. 343.	**P**, 1871–1908; '10–12. **T**, 26 yrs., 1875–1912. **R**, 28 yrs., 1875–1913.	ek **P**=⅓ (7+13+21). **T** derived from these hours.
353	Barnaoul	Do.	**P**, **T**, 1851–1900. **R**, 1838–1908; '10–13.	e Do. do.
354	Tomsk	Do.	**P**, 1871–1908; '10–13. **T**, 54 yrs., 1837–1913. **R**, 38 yrs., 1874–1913.	ek Do. do.
355	Minousinsk	Do.	**P**, (1871–95). **R**, unknown.	ek Do. do.
356	Eniseisk	Do.	**P**, 1871–1908; '11–13. **T**, 42 yrs., 1853–1913. **R**, 41 yrs., 1871–1913.	ek Do. do.
357	Irkutsk	Do.	**P**, 1871–1908; '10–13. **T**, 62 yrs., 1830–1913. **R**, 38 yrs., 1873–1913.	e Do. do.
358	Kirensk	Do.	**P**, (1871–1908; '10–13). **T**, **R**, 1892–1908; '11–13.	ek Do. do.
359	Tchita	..	..	..
360	Nertchinskii Zavod	..	..	..
361	Tygan Ourkan	..	..	..
362	Blagovyeshchensk (Bureau Météor.)	See No. 343.	..	e **P**=⅓ (7+13+21). **T** derived from these hours.
363		Do.	**P**, 1871–1908; '13–14. **T**, 36 yrs., 1859–1913. **R**, 14–24 yrs., 1877–1908.	e Do. do.
364				
365	Nikolaevsk-sur-Amour			
366				
367		..	..	..
368	Petropavlovsk (Phare)	See No. 343.	**P**, 19 yrs., 1891–1922. **T**, 20 yrs., 1891–1908; '11–14. **R**, 25 yrs., 1846–72; '93–1908; '10–13.	ek **P**=⅛ (7+13+21). **T** derived from these hours.
371	Attu Island	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1921.	**P**, (1901–20).	**P**=8h.

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N. **ZONE 4.**

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
411	Victoria, B.C.	Toronto, Meteor. Service Monthly Record of Meteor. Obs., 1921.	**P**, 1900–18. **T**, 29 yrs. **R**, 1881–1910.	be **P**, **T**=mean of 24 hrs.
412	Portland, Oregon	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1921–22, and Monthly Weather Rev., 1921.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n **P**, **T**=½ (8+20) reduced to mean of 24 hrs.
413	Macleod	See No. 411 and MS. data.	**T**, 25 yrs., 1895–1921. **R**, 25 yrs., 1895–1920.	**T** derived from ½ (M+m).
414	Helena	See No. 412.	**P**, (1876–1915). **T**, 1880–1905. **R**, 1880–1917.	n **P**, **T**=½ (8+20) reduced to mean of 24 hrs.
414*a*	Salt Lake City	Do.	**P**, 1876–1915. **T**, 1875–1905. **R**, 1874–1917.	n Do. do.
415	Cheyenne	Do.	**P**, 1876–1915. **T**, 1873–1905. **R**, 1871–1917.	n Do. do.
416	North Platte	Do.	**P**, 1876–1915. **T**, 1875–1905. **R**, 1874–1917.	n Do. do.
416*a*	Bismarck	Do.	**P**, 1876–1915. **T**, 1875–1905. **R**, 1875–1917.	n Do. do.
417	Winnipeg	See No. 411.	**P**, 1900–18. **T**, 45 yrs. **R**, 1872–1917.	bce **P**=⅓ (7+14+19). **T**=¼ (7+19+M+m).
418	Duluth	See No. 412.	**P**, 1876–1915. **T**, **R**, 1904–17.	n **P**, **T**=½ (8+20) reduced to mean of 24 hrs.
419	Fort Arthur	See No. 411.	**P**, 1900–24. **T**, 38 yrs. **R**, 1881–1915.	bce **P**=⅓ (7+14+19). **T**=¼ (7+19+M+m).
420	Chicago	See No. 412.	**P**, 1876–1915. **T**, 1873–1913. **R**, 1871–1917.	n **P**, **T**=½ (8+20) reduced to mean of 24 hrs.
421				
422	Toronto	See No. 411.	**P**, 1900–18. **T**, 78 yrs. **R**, 70 yrs.	be **P**, **T**=mean of 24 hrs.
423	New York (Central Park)	New York, Rep. of Meteor. Obs., Central Park, 1921.	**P**, **T**, **R**, 1868–1922.	en **P**=⅓ (7+14+21). **T**=mean of 24 hrs.
424	St. John, N.B.	See No. 411.	**P**, 1902–18. **T**, 45 yrs. **R**, 1861–1910.	bce **P**=½ (9+15+21). **T**=mean of 24 hrs.
	S.W. Point, Anticosti	See No. 411 and MS. data.	**P**, 1900–18. **T**, 37 yrs. **R**, 1888–1907.	bce {**P**, (Jan., Feb., Nov., Dec.) corrected to ⅓ (8½+15½+20½), **P**, (Mar. to Oct.)=⅓ (8½+15½+20½). **T**=⅓ (8½+20½+M+m). "b" refers to Mar. to Oct.
424*a*	Sable Island (Main Station)	Do. do.	**P**, 1895–1918. **T**, 36 yrs. **R**, 1889–1917.	be {**P**, (Jan., Apr., Sept., Nov., Dec.) corrected to ½ (9+14+21), **P**, (Feb., Mar., May—Aug.)=¼ (9+14+21). **T**=¼ (9+21+M+m). "b" refers to Feb., Mar., May to Aug.
425				
426	Port aux Basques	See No. 411.	**P**, **T**, **R**, 1909–23.	bce **P**=½ (9+21). **T**=½ (9+21+M+m).
430	St. John's, Newfoundland	Do.	**P**, 1884–1918. **T**, 46 yrs. **R**, 1885–1916.	bce **P**=½ (9+21). **T**=½ (9+21+M+m).
435	50°—45° N. 35°—30° W.	MS. data at M.O.	Sea Temperature, 1855–1917. Marine Observer, vol. iii, 1926.	..
436	Madrid	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1921.	**P**, **T**, 1901–15. **R**, 15 yrs., 1901–16.	e **P**=⅛ (7+13+18). **T** derived from ⅛ (7+18).
437	Nantes	MS. data supplied by l'Office National Météor. Paris.	**P**, **T**, 1851–1900. **R**, 1886–1910.	**P**, **T**=mean of tri-hourly observations.
438	Paris (Parc St. Maur)	Do. do.	**P**, **T**, 1851–1900. **R**, 1820–1910.	**P**, **T**=mean of 24 hrs.
	Marseille	Marseille, Commission de Météor. du Bouches du Rhône, Bull. Ann., 1921, 1922.	**P**, **T**, 1851–1900. **R**, 1867–1918.	c **P**=⅛ (7+10+12+16+18+22). **T** derived from these hours.

For notes *see* page 114.

ZONE 4—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
438*a*	Zürich	Zürich, Ann. Schweiz. Meteor. Zentralanst, 1921.	**P, T,** 1864–1900. **R,** 1864–1913.	e	**P, T**=mean of 24 hrs.
439	Rome	MS. data supplied by R. Uff. Centr. Meteor. e Geodin., Rome.	**P,** 1851–1900. **T,** 1831–1910. **R,** 1826–1910.		**P**=$\frac{1}{4}$ (9+15+21). **T** derived from $\frac{1}{4}$ (9+21+M+*m*).
440	Vienna	Vienna, Jahrb. d. Zentralanst. für Meteor. und Geodyn., 1921.	**P,** 1851–1900. **T,** 1776–1900. **R,** 1845–1900.	e	**P, T**=mean of 24 hrs.
440*a*	Budapest	Budapest, Magyar Kir. Orsz. Meteor. Int., Időjárási jelentés, 1921.	**P, T, R,** 1871–1920.	e	**P**=$\frac{1}{4}$ (7+14+21). **T** derived from three hours.
441	Sofia	Sofia, Bull. Mens. de l'Inst. Météor., 1921.	**P,** (1851–1900). **T, R,** 1892–1926.	e	**P**=$\frac{1}{4}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
442	Bucharest	Bucaresti, Bul. Lunar al Obs. Meteor. din. România, 1921.	**P,** (1851–1900). **T,** 1857–1916. **R,** 1864–69; '71–1916.	e	**P, T**=mean of 24 hrs.
443	Odessa (University)	MS. data supplied by Director, Meteor. Service, Ukraine.	**P, T,** 1851–1900. **R,** 69 yrs., 1841–1915.	e	**P**=$\frac{1}{4}$ (7+13+21). **T** derived from three hours.
444	Kharkov (University)	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** (1851–1900). **T,** 36 yrs., 1877–1915. **R,** 38 yrs., 1877–1915.	e	Do. do.
444*a*	Novorossiisk	Do. do.	**P,** (1851–1900). **T,** 1872–85; '88–1915. **R,** 1892–1908; '11–13.	e	Do. do.
445	Tiflis	MS. data supplied by l'Obs. Geophys. de Georgie, Tiflis.	**P, T,** 1851–1900. **R,** 71 yrs., 1844–1915.		**P, T**=mean of 24 hrs.
446	Astrakhan	See No. 444.	**P, T,** 1851–1900. **R,** 68 yrs., 1846–1915.	e	**P**=$\frac{1}{4}$ (7+13+21). **T** derived from three hours.
447	Fort Alexandrovsk	Do.	**P,** (1851–1900). **T,** 55 yrs., 1848–1913. **R,** 40 yrs., 1848–1913.	e	Do. do.
448	Krasnovodsk	Do.	**P,** (1851–1900.) **T,** 34 yrs., 1869–1914. **R,** 25 yrs., 1870–1908.	e	Do do.
449	Kasalinsk	MS. data supplied by Meteor. Inst., Tashkent.	**P,** 15 yrs., 1894–1908; '21. **T,** 35 yrs., 1855–1921. **R,** 35 yrs., 1862–1906.	e	Do. do.
450	Tachkent	Do. do.	**P,** 1871–1908; '10–17. **T, R,** 1877–86; '92–1908; '11–13.	e	Do. do.
451	Narynskoe	..	..		..
452	Alma Ata (Vernyi)	See No. 449.	..		**T** derived from $\frac{1}{3}$ (7+13+21).
461	Moukden	Tokyo, Ann. Rep., Centr. Meteor. Obs., Japan, 1921, and Monthly Rep.	**P, R,** 1906–18. **T,** 1906–19.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22).
462	Joshin	Tokyo, Monthly Rep., Centr. Meteor. Obs., Japan, 1921, and Jinsen, Ann. Rep. Meteor. Obs., Chosen, 1921.	**P, R,** 1906–18. **T,** 1906–19.	ce	Do. do.
463	Yuki	Do. do.	**P, T, R,** 10 yrs., 1914–24.	ce	Do. do.
464	Vladivostok	MS. data supplied by l'Obs. Météor., Vladivostok.	**P,** 1876–1921. **T, R,** 1873–1921.	e	**P**=$\frac{1}{3}$ (7+13+21). **T**=mean of 24 hrs.
465	Ochiai	See No. 461.	**P, R,** 1908–17. **T,** 1910–22.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22). Pressure values Sept. to Dec., Yr. reduced to height of 27·4 m.
466	Nemuro	Do.	**P, T, R,** 1886–1920.	e	**P, T**=mean of 24 hrs.
466*a*	Syana	Do.	**P, T, R,** 1902–21.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22).

ZONE 5 (Eastern Half).

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
537	Palma	See No. 535a.	**P, R,** 1870–1916. **T,** 1881–1916.	e	**P**=$\frac{1}{3}$ (8+13+18).
538	Algiers (Bouzaréah)	MS. data supplied by l'Office National Météor., Paris.	**P, T, R,** 1894–1920.		**P, T**=mean of tri-hourly observations.
539	Tunis	Tunis, Service Météor., Relevé des Obs., 1921.	**T, R,** 1887–90; '92; '95–1920.	e	**P**=$\frac{1}{4}$ (7+13+19). **T** derived from $\frac{1}{4}$ (7+13+19+19+*m*)
539*a*	Malta	Malta, Meteor. Obs., 1921, and MS. data at M.O.	**P,** 1852–1923. **T,** 1853–1923. **R,** 70 yrs., 1853–1923.		**P**=$\frac{2}{12}$ (7+18). G.M.T. **T** derived from $\frac{1}{3}$ (M+*m*).
540	Riposto	Riposto, Osservatorio Meteor., Bollettino Mensile, 1921.	**P,** 1898–1922. **T,** 1875–1919. **R,** 1880–1914.		**P**=$\frac{1}{3}$ (9+15+21). **T** derived from these hours.
541	Athens	MS. data supplied by Obs. Météor. Astr. Athens, 1921.	**P,** 1841–1910 (incomplete). **T,** 1858–1914. **R,** 1858–1911.	e	**P, T**=mean of 24 hrs.
542	Alexandria	MS. data supplied by Phys. Dept., Cairo.	**P,** 1888–1922. **T,** 1870–1922. **R,** 1889–1922.	c	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from $\frac{1}{4}$ (8+14+20+*m*).
543*a*	Nicosia (P.W.D.)	Do. do.	**P, T, R,** 1907–21.	c	**P**=$\frac{1}{3}$ (8+15).
544	Beirut	MS. data supplied by the Observatory, American University, Beirut.	**P, T,** 1875–1924. **R,** 1876–1924.	c	**P**=$\frac{1}{3}$ ($8\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$). **T**=$\frac{1}{8}$ ($8\frac{1}{2}$+14$\frac{1}{2}$+20$\frac{1}{2}$ +2×M+3×*m*).
545	Baghdad	Calcutta, India Weather Review, 1921, and MS. data.	**P,** 1896–1910. **T,** 1890–1910. **R,** see current data.	a	**P**=8 h. **T** derived from this hour.
546	Lenkoran	MS. data supplied by Central Phys. Obs., Petrograd.	**P,** 1881–1915. **T,** 1870–84; '92–1915. **R,** 1847–56: '73–1915.	ek	**P**=$\frac{1}{3}$ (7+13+21). **T** derived from these hours.
547	Tehran	See No. 545.	**T,** 1895–1910. **R,** see current data.	a	**T** (Jan., Feb.) derived from $\frac{1}{2}$ (M+*m*). **T** (April, June)=8 h.
548	Meshed	Do.	**T,** 1902–10. **R,** see current data.	a	**P**=8 h.
549	Seistan	Do.	..	a	..
550	Quetta	Do.	**P, R,** see current data. **T,** 1878–1910.	aq	**P**=8 h. **T** derived from $\frac{1}{3}$ (M+*m*).
551	Peshawar	Do.	**P, R,** see current data. **T,** 1878–1910.	aq	**P**=8 h. **T** derived from $\frac{1}{3}$ (M+*m*).
551*a*	Lahore	Do.	**P, T, R,** see current data.	aq	**P**=8 h. **T** derived from $\frac{1}{3}$ (M+*m*).
552	Simla	Do.	**P, R,** see current data. **T,** 1892–1910.	aq	**P**=8 h. **T** derived from $\frac{1}{3}$ (M+*m*).
552*a*	Leh	Do.	**P, R,** see current data. **T,** 1878–1910.	aq	**P**=8 h. **T** derived from $\frac{1}{3}$ (M+*m*).
559	Hankow	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1921 and Monthly Rep.	**P, T,** 1906–19. **R,** 1900–19.	ce	**P**=$\frac{1}{3}$ (6+14+22). **T** derived from these hours.
560	Tientsin	Do. do.	**P, T,** 1906–19. **R,** 1904–19.	ce	**P**=$\frac{1}{3}$ (6+14+22). **T** derived from these hours.
561	Shanghai (Zi-ka-Wei)	Zi-Ka-Wei, Revue Mensuelle de l'Observatoire, 1921.	**P, T, R,** 1873–1920.		**P, T**=mean of 24 hrs.
562	Jinsen (Chemulpo)	Jinsen, Ann. Rep. Meteor. Obs. Chosen, 1921.	**P,** 1888–1915. **T,** 1888–1922. **R,** 1904–23.		Do.
562*a*	Nagasaki	See No. 559.	**P, T, R,** 1886–1920.	e	Do.
563	Kyoto	Do.	**P, T, R,** 1881–1910.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22).
564	Tokyo	Do.	**P, T, R,** 1886–1920.	e	**P, T**=mean of 24 hrs.
565	Kanayama	Do.	**P, T, R,** 1898–1922.	ce	**P, T**=$\frac{1}{6}$ (2+6+10+14+18+22).
566	Miyako	Do.	**P, T,** 1886–1910. **R,** 1886–1915.	ce	Do. do.

ZONE 5 (Western Half). Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
511	San Francisco	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1921-22, and Monthly Weather Rev., 1921.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P, T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
512	San Luis Obispo	Do. do.	**P,** (1876–1915). **T,** 1895–1905. **R,** 1871–1917.	n	Do. do.
513	San Diego	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
514	Modena	Do. do.	**P,** (1876–1915). **T, R,** 1901–17.	n	Do. do.
515	Santa Fé	Do. do.	**P,** (1876–1915). **T,** 1873–82; '85–1905. **R,** 1871–1917.	n	Do. do.
516	Denver	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1872–1917.	n	Do. do.
517	Abilene	Do. do.	**P,** (1876–1915). **T,** 1886–1905. **R,** 1885–1917.	n	Do. do.
518	Saint Louis	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
519	Mobile	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
520	Nashville	Do. do.	**P,** 1876–1915. **T,** 1873-1905. **R,** 1871–1917.	n	Do. do.
521	Charleston	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
522	Washington	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1925.	n	Do. do.
523					
524	Bermuda	Toronto, Monthly Record of Meteor. Obs., 1921.	**P, T, R,** 54 yrs., 1866–1920.	be	**P**=$\frac{1}{3}$ ($8\frac{1}{2}$+15). This approximates to 24 hr. mean. **T**=$\frac{1}{4}$ ($8\frac{1}{2}$+20$\frac{1}{2}$+M+*m*).
530	Santa Cruz (Flores)	MS. data supplied by Director, Meteor. Service, Azores.	**P,** 1907–22. **T, R,** 1911–25.		**P**=mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
531	Horta	Do. do.	**P, T, R,** 1902–23.		**P, T**=mean of 24 hrs.
532	Ponta Delgada	Do. do.	**P, T,** 1894–1923.		Do. do.
532*a*	Faja da Cima	Ponta Delgada, Service Météor. des Açôres, Rés. d'Obs., 1921.	**R,** 1894–1923.		..
533	Madeira (Funchal)	Lisbon, Obs. Infante D. Luis, Resumo das Observações, 1921.	**P,** 1888–1920. **T, R,** 1880–1920.	e	**P**=$\frac{1}{3}$ (9+15+21). **T**=$\frac{1}{3}$ (9+21+M+*m*). The pressures appear about 1 mb. too high. This correction has been applied.
534					
535	Lisbon	Do. do.	**P, T, R,** 1871–1919.	e	**P**=$\frac{1}{3}$ (9+15+21). **T** derived from $\frac{1}{4}$ (9+21+M+*m*).
535*a*	Melilla	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor Espagñol, 1921.	**P, T, R,** 1908–22.	e	**P**=$\frac{1}{2}$ (8+16). **T** derived from $\frac{1}{2}$ (M+*m*).
536	Gibraltar	MS. data at M.O.	**P, T, R,** 1852–1920.	e	**P**=$\frac{1}{3}$ (7+13+21) G.M.T. **T**=$\frac{1}{4}$ (7+13 +2×21).
536*a*	Colomb-Béchar	MS. data supplied by Service Météor., Algiers.	..	e	**P**=$\frac{1}{3}$ (7+13+18). **T**=$\frac{1}{4}$ (7+13+18+*m*).

ZONE 6. Table showing the Authorities for the Meteorology of the Globe between Latitude 30° N. and 20° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
601	Midway Island	Washington, D.C., U.S. Dept. Agric., Monthly Weather Rev., 1925, p. 357 and MS. data.	**P,** 1912–24.	d	**P**=18$\frac{1}{2}$ h.
605	Honolulu	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1921–22.	**P,** 1905–21. **T,** 1883–1920. **R,** 1874–1920.	e	**P**=$\frac{1}{3}$ (8+20). **T**=$\frac{1}{4}$ (8+20+M+*m*) (157$\frac{1}{2}$ W. meridian time).
614	La Paz	MS. data supplied by Director, Obs. Meteor., Tacubaya.	..	er	**P**=$\frac{1}{3}$ (7+14+21).
615	Chihuahua	Do. do.	..	er	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from these hours.
616	Leon	Do. do.	**P,** 1882–1906. **T,** 28 yrs., 1879–1914. **R,** 1878–1906.	eqr	Do. do.
616*a*	Monterry	Do. do.	..	er	Do. do.
617	Tulancingo	Mexico, Soc. Cient. "Antonio Alzate," Mem., 40, 1922, p. 485, and MS. data.	**T, R,** 1911–14; '16–21.		**P, T**=mean of 24 hrs.
618	Galveston	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1921–22 and Monthly Weather Rev., 1921.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P, T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
618*a*	New Orleans	Do. do.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	Do. do.
619	Merida, Yuc.	See No. 614.	..	den	**P**=$\frac{1}{3}$ (7+14+21).
626	Havana	Habana, Obs. Meteor. del Colegio de Belen, 1921.	**P,** 1876–1915. **T,** 1897–1923. **R,** 1898–1923.		**P**=$\frac{1}{10}$ (4+6+8+10+12+14+16+18+20 +22). **T**=$\frac{1}{12}$[(4+6+8+10+12+14+16 +18+20+22)+(4+22)].
620*a*	Key West	See No. 618.	**P,** 1876–1915. **T,** 1873–1905. **R,** 1871–1917.	n	**P, T**=$\frac{1}{2}$ (8+20) reduced to mean of 24 hrs.
621	Nassau, Bahamas	Bahamas Blue Book, 1921.	**T,** 43 yrs., 1874–91; '95–1920. **R,** 55 yrs., 1855–62; '68–1920.		**T** derived from $\frac{1}{2}$ (M+*m*).
622	Watling Island	MS. data at M.O.	**P,** (1873–99).	ekl	**P, T**=$\frac{1}{3}$ (2+8+12+16+22).
633	Izaña	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1921.	**T,** (1914–23).		**P**=$\frac{1}{3}$ (7+13+18). **T** derived from these hours.
634	La Laguna	Do. do.	**P,** (1880–1920). **T, R,** 1885–1900; '11–20.	de	**P**=$\frac{1}{3}$ (7+13+18).
637	Siwa	MS. data supplied by Phys. Dept., Cairo.	..	ac	**P**=8 h.
641	Cairo (Helwan)	MS. data supplied by Phys. Dept., Cairo.	**P,** 1904–20. **T, R,** 1904–22.	c	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from $\frac{1}{4}$ (8+14+20+*m*).
642	Aswan	Do. do.	**P, T,** 1901–20.	cf	**P**=$\frac{1}{3}$ (8+14+20). **T**=$\frac{1}{4}$ (8+14+20+*m*). No rain gauge, as rainfall is practically unknown.
643					
643*a*	Tor	Do. do.	**P, T,** 1905–20.	cf	**P**=$\frac{1}{3}$ (8+14+20). **T**=$\frac{1}{4}$ (8+14+20+*m*).
644					

For notes *see* page 114.

For notes *see* page 114. ϕ For Cairo *see* No. 643.

ZONE 6—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
647	Bushire	Calcutta, India Weather Review, 1921, and MS. data.	**P, R,** see current data. **T,** 1878–1910.	aq **P**=8h. ℂ derived from ½ (M+*m*).
648	Jask	Do. do.	**P, R,** see current data. **T,** 1893–1910.	aq Do. do.
649	Karachi	Do. do.	**P, R,** see current data. **T,** 1904–10.	aq **P**=8h. ℂ derived from ½ (M+*m*).
650	Jacobabad	Do. do.	**P, R,** see current data. **T,** 1878–1910.	aq Do. do.
651	Jaipur	Do. do.	**P,** ℂ, **R,** see current data.	aq **P**=8h. ℂ derived from ½ (M+*m*).
652	Nagpur	Do. do.	**P, R,** see current data. **T,** 1878–1910.	aq **P**=8h. ℂ derived from ½ (M+*m*).
653	Allahabad	Do. do.	**P, R,** see current data. **T,** 1878–1910.	aq Do. do.
653*a*	Darjeeling	Do. do.	**P, R,** see current data. **T,** 1890–1910.	aq **P,** ℂ (Nov., Yr.)=8h. ℂ (Jan. to Oct., Dec.) derived from ½ (M+*m*).
654	Calcutta	Do. do.	**P,** ℂ, **R,** see current data.	aq **P**=8h. ℂ derived from ½ (M+*m*).
655	Gauhati	Do. do.	**P, R,** see current data. **T,** 1902–10.	aq **P**=8h. ℂ derived from ½ (M+*m*).
655*m*	Cherrapunji	Do. do.	**P, R,** see current data. **T,** 1902–10.	adq **P**=8h.
655*a*	Akyab	Do. do.	**P, R,** see current data. **T,** 1878–1910.	aq **P**=8h. ℂ derived from ½ (M+*m*).
656	Mandalay	Do. do.	**P, R,** see current data. **T,** 1889–1910.	aq Do. do.
656*a*	Tengyueh	MS. data supplied by Chinese Maritime Customs.	**P,** ℂ, **R,** 1914–23.	ae **P**=⅙ (3+6+9+12+15+21). ℂ derived from ½ (M+*m*). **P,** ℂ=mean of bi-hourly observations.
657	Phu Lien	MS. data supplied by l'Observatoire Centr. de l'Indochine.	**P,** ℂ, 10 yrs., 1904–14. **R,** 1904–18.	
658	Moncay	Do. do.	**P, T,** 1904–14. **R,** 1904–18.	c **P**=½ (10+16). ℂ derived from these hours. **P,** ℂ=mean of 24 hrs.
659	Hongkong	Hongkong, Royal Observatory, Monthly Meteor. Bull., 1921.	**P,** ℂ, **R,** 1884–1918.	
660	Amoy	MS. data at M.O.	**P,** 15 yrs., 1894–1901; '14–22. **T,** 1890–1912. **R,** 1900–10; '15; '17–20.	ce **P** (Jan. to Oct., Yr.)=9h. **P,** (Nov., Dec.)=½ (9+18). ℂ derived from ½ (M+*m*). Max. temp. refers to period 9h. to 18h. and min. to 18h. to 9h.
661	Taihoku, Formosa	Tokio, Ann. Rep., Centr. Meteor. Obs., Japan, 1921, and Monthly Rep.	**P,** ℂ, **R,** 1897–1918.	e **P,** ℂ=mean of 24 hrs.
661*a*	Basco	Manila, Weather Bureau, Monthly Bull., 1921 and MS. data.	**P,** ℂ, 1903–17. **R,** 16 yrs., 1903–19.	c **P**=½ (6+14). ℂ derived from these hours.
662	Naha	See No. 661.	**P,** ℂ, **R,** 1891–1920.	e **P,** ℂ=mean of 24 hrs.
665	Titizima (Bonin Islands)	Do.	**P,** ℂ, **R,** 1906–21.	ce **P,** ℂ=⅛ (2+6+10+14+18+22).

ZONE 7. Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N.

715	Colima	MS. data supplied by Director, Obs. Meteor., Tacubaya.	..	e **P**=⅛ (7+14+21). ℂ derived from these hours.
716	Morelia	Do. do.	..	e Do. do.
717	Mexico, Tacubaya	Tacubaya, Servicio Meteor. Mexicano, Res. Mens., 1921.	**P,** unknown. ℂ, **R,** 1900–22.	q **P,** ℂ=mean of 24 hrs.
718	Salina Cruz	See No. 715.	..	de **P**=⅛ (7+14+21).
719	San Salvador	San Salvador, Anales del Obs. Meteor., 1921.	**P,** 1912–25. ℂ, **R,** 1912–24.	e **P**=⅛ (7+14+21). ℂ=¼ (7+14+2×21).
720	Belize	MS. data at M.O.	**P,** 1888–1900. **R,** 1888–1917.	en **P,** ℂ=8h.
721	Jamaica (Negril Pt.)	Jamaica Blue Book, 1921.	**P,** (1876–1915). **T,** 1898–1922. **R,** 1895–1919.	c **P**=⅛ (7+15). ℂ derived from ¼ (7+15+M+*m*).
722	Port au Prince	MS. data supplied by l'Office National Météor., Paris.	**P,** (1876–1915). **T, R,** 1888–1912.	ce **P**=⅛ (7+13+21). ℂ derived from ¼ (7+13+2×21).
723	Caracas	Caracas, Red Meteor. de Venezuela. Res. de las Observaciones, 1921.	**P,** 1893–1920. ℂ, 1895–1919. **R,** 1891–1925.	eq **P**=½ (10+16), 67½°W. meridian time which approximates to the mean of 24 hrs. ℂ=¼ (6+12+18+$\frac{24+0}{2}$).
724	Montserrat	MS. data at M.O.	**P,** (1876–1915). **T, R,** 1915–24.	cde **P**=½ (9+15).
724*a*	Grenada (Richmond Hill)	Grenada, Govt. Gazette, 1921.	**P, T, R,** 1891–1920.	e {**P**=⅛ (9+18). ℂ derived from ½ (M+*m*). A correction of −0.4 mb. has been applied to the pressure values.
725	Barbados	Barbados Blue Book, 1921.	**P,** (1876–1915). **T,** (1887–1918). **R,** 1853–62; '65–1920.	c **P**=½ (9+15). ℂ derived from these hours. Max. temp. refers to period 9h. to 15h. and min. to 15h. to 9h.
731	São Vicente, C. Verde. Is.	Lisbon, Obs. Infante D. Luis, Resumo das Observações, 1921.	**P, R,** 1884–1921. ℂ, 1901–19.	e **P**=⅛ (9+15+21). ℂ corrected to ¼ (9+21+M+*m*).
732	San Tiago, C. Verde Is.	Do. do.	**P,** 1893–1900; '04–19. **T,** 1890–1900; '04–19. **R,** 1888–1900; '04–19.	e **P**=⅛ (9+15+21). ℂ=¼ (9+21+M+*m*).
733	Bathurst	Gambia Blue Book, 1921, and MS. data.	**P,** (1891–1918). **T,** 23 yrs., 1891–1900; '07–25. **R,** 1884–1920.	e **P**=9h. ℂ derived from ½ (M+*m*).
734	M'Carthy Island	Gambia Blue Book, 1921, and MS. data supplied by Governor of the Gambia.	**T,** 15 yrs., 1908–23. **R,** 1908–22.	..
735	Ségou	MS. data supplied by Service Météor. de l'Afrique Occid. française, Dakar.	..	ℂ derived from ¼ (7+11+15+21).
736	Timbuktu	..	..	..
737	Sokoto	MS. data at M.O.	ℂ, 1907–23. **R,** 1904–18.	o ℂ (Jan., Feb., Yr.)=9h. ℂ (Mar. to Dec.) derived from ½ (M+*m*).
738	Kaduna Capital	Do.	**P** (1877–1920). **T,** 1917–26. **R,** 10 yrs., 1916–26.	eo **P**=9h. ℂ derived from ½ (M+*m*).
739	Hadeija	Do.	**T,** 15 yrs., 1907–24. **R,** 15 yrs., 1904–20.	ℂ derived from ½ (M+*m*).
740	Maiduguri	Do.	**T,** 15 yrs., 1906–21. **R,** 1904–18.	Do. do.
741	El Fasher	MS. data supplied by Phys. Dept., Cairo.	..	c ℂ=¼ (8+14+20+*m*).
743	El Obeid	Do. do.	ℂ, 1901–20. **R,** 1902–20.	cg ℂ=¼ (8+14+20+*m*).
743*a*	Khartoum	Do. do.	**P,** 1903–22. ℂ, 1901–22. **R,** 1899–1922.	c **P**=⅛ (8+14+20). ℂ derived from ¼ (8+14+20+*m*).
744	Port Sudan	Do. do.	**P,** ℂ, 1905–20. **R,** 1906–20.	cg **P**=⅛ (8+14+20). ℂ=¼ (8+14+20+*m*).
745	Berbera, Somaliland	MS. data at M.O.	**P, T,** 1908–22. **R,** 1906–20.	ce **P**=⅛ (8+20). ℂ=¼ (8+20+M+*m*).
746	Aden	Calcutta, India Weather Review, 1921, and MS. data.	**P, R,** see current data. **T,** 1889–1010.	aq **P**=8h. ℂ derived from ½ (M+*m*).
751	Bombay	Calcutta, India Weather Review, 1921, MS. data and Bombay Magn. Meteor. and Seism. obs., 1921.	**P, R,** see current data. **T,** 1878–1910.	aq **P**=8h. ℂ=mean of 24 hrs.
752ϕ	Kodaikanal	See No. 746.	**P, R,** see current data. **T,** 1900–10.	aq **P**=8h. ℂ derived from ½ (M+*m*).
752*a*	Bangalore	Do.	**P,** ℂ, **R,** see current data.	aq Do. do.
753	Madras	Do.	**P,** ℂ, **R,** see current data.	aq Do. do.
754	Vizagapatam	Do.	**P, R,** see current data.	aq **P**=8h. ℂ derived from ½ (M+*m*).
755	Port Blair	Do.	**P, R,** see current data. **T,** 1878–1910.	aq Do. do.
756	Rangoon	Do.	**P, R,** see current data. **T,** 1878–1910.	aq Do. do.

For notes *see* page 114.

ϕ For Cochin *see* No. 851*a*.

ZONE 7—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
757	Saigon	MS. data supplied by l'Observatoire Centr. de l'Indochine.	**P,** 1904–15. **T,** 24 yrs., 1873–80; '96–1915. **R,** 27 yrs., 1874–79; '96–1918.	cd **P**=½ (10+16).
758	Nhatrang	Do. do.	**P, T,** 1903–14. **R,** 1903–18.	cd **P**=½ (10+16).
759	Bolinao	Manila, Weather Bureau, Monthly Bull., 1921, and MS. data.	**P,** 14 yrs., 1902–19. ℂ, 11 yrs., 1902–16. **R,** 25 yrs., 1886–97; 1902–17.	c **P**=½ (6+14). ℂ derived from these hours.
760 761	Vigan	Manila, Weather Bureau, Monthly Bull., 1921.	**P,** ℂ, 15 yrs., 1902–18. **R,** 22 yrs., 1887–96; 1902–17.	c **P,** ℂ=⅛ (2+6+10+14+18+22).
761*a* 762	Manila Ormoc	Do. do.	**P,** ℂ, **R,** 1887–1922.	**P,** ℂ=mean of 24 hrs.
765	Guam, Ladrone Is.	See No. 759.	**P,** 1902–05; '06–17. ℂ, 1902–05; '07–17. **R,** 1902–18.	c **P**=½ (6+14). ℂ derived from these hours.
		See No. 759.	**P,** 1907–18. ℂ, 1906–18. **R,** 1906–20.	c **P**=½ (6+14). ℂ derived from these hours.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° N. and 0°. **ZONE 8.**

805	Fanning Island	MS. data supplied by the Chief of the Weather Bureau, Washington, and MS. data at M.O.	**T,** (Aug. to Oct.), 15 yrs., 1904–19. ℂ (Dec.), 12 yrs., 1904–18. **R,** 15 yrs., 1903–18.	d **P,** ℂ (Dec.) = 9 h.
821	Colon	Balboa Heights, Panama Canal Section of Meteor. and Hydrogr., Monthly Meteor. Rep., 1921.	**P, T,** 19 yrs., 1881–88; 1907–19. **R,** 1871–1918.	d **P,** reduced to mean of 24 hrs.
822	Bogota	Sarasola, S., Noticia del Nuevo Obs. Colombia. Bogota, Notas Geof. y Meteor. 1., 1924.	**R,** 1866–85; '94–1922.	..
822*a*	Merida, Venez.	Caracas, Red Meteor. de Venezuela, Res. de las observaciones, 1921.	**P, T, R,** 1915–24.	q **P**=½ (10+16). Pressure appears too high by about 6 mb. ℂ derived from ½ (M+*m*).
823 824	El Peru, Guayanavieja	MS. data at M.O.	**P,** 11 yrs., 1910–22. **T,** 10 yrs., 1910–22. **R,** 15 yrs., 1910–25.	de **P**=7½ h. approx.
825	Georgetown, Brit. Guiana	British Guiana Blue Book, 1921.	**P, T,** 1887–1924. **R,** 1894–1923.	**P**=⅛ (7+13+18). ℂ derived from these hours.
826	Paramaribo	MS. data supplied by K. Ned. Meteor. Inst.	**P,** 1876–1915. ℂ, 1899–1923 **R,** 1847–54; '64–1925.	ae **P**=⅛ (8+14+18). ℂ derived from these hours. The pressures appear about 2·3 mb. too low. This correction has been applied. ℂ derived from ½ (9+16).
826*a*	Cayenne	MS. data supplied by l'Office National Météor, Paris.	**T,** 25 yrs, 1890–1916. **R,** 1859–99; 1903–12.	ad Pressure appears unreliable. ℂ (June to Sept.)=½ (7+14+21). "d" refers to Jan., Mar. to May, Oct. to Dec.
833	Konakri	MS. data supplied by Service Météor. de l'Afrique Occid. française, Dakar.	ℂ (June to Sept.), 10 yrs., 1906–16; '21. **T** (Jan., Mar. to May, Oct. to Dec.), 10 yrs., 1905–16. **R,** 15 yrs., 1904–22.	e **P,** ℂ (Jan. to July, Yr.), **T,** (Aug. to Dec.) 1874–88; '91–1920. **R,** 1874–1920. ℂ (Aug. to Dec.)=¼ (17+M+2*m*).
834	Freetown, Sierra Leone	MS. data at M.O.	**P,** 1877–1920. ℂ (Jan. to July, Yr.), **T,** (Aug. to Dec.) 1874–88; '91–1920. **R,** 1874–1920.	..
835	Assuantsi	..	..	d ..
836	Accra	MS. data supplied by Director of Agriculture, Accra and MS. data at M.O.	..	de **P**=9 h.
837 838	Lagos	..	**T,** 27–30 yrs., 1888–1908; '11–20. **R,** 32 yrs., 1888–1920.	de **P**=9 h. ℂ derived from ½ (M+*m*).
838*a*	Zungeru	Nigeria Blue Book, 1921.	**P,** 1891–1920. **T, R,** 1891–1920.	
839 840	Yola	MS. data at M.O.	**T,** 1905–19. **R,** 1903–19.	o ℂ=9 h.
841	Wau	MS. data supplied by Phys. Dept., Cairo.	ℂ, 1915–24. **R,** 1904–18.	g ℂ=¼ (8+14+20+*m*).
842 843	Malakal (Kodok)	..	ℂ, (Jan., Feb., Apr. to Dec., Yr.). **T,** (Mar.). 1902–20. **R,** 1904–20.	g **P**=⅛ (8+14+20). ℂ=¼ (8+14+20+*m*).
843*a* 844	Mongalla Entebbe	MS. data supplied by Phys. Dept., Cairo. ..	**P, R,** 15 yrs. ℂ, 10 yrs.	gq **P**=⅛ (8+14+20). ℂ=¼ (8+14+20+*m*).
851 851*a*	Minicoy Cochin	MS. data at M.O.	**P,** ℂ, **R,** 1903–20. **P,** 1904–20. ℂ, 1901–20. **R,** 1896–1920.	eq **P**=⅛ (7+14+21). ℂ derived from ¼ (7+14+2×21).
852	Colombo Observatory	Calcutta India Weather Review, 1921. Calcutta, India Weather Review, 1921, and MS. data.	**P, R,** see current data. **P, R,** see current data. **T,** 1878–1910.	eq **P**=8 h. aq **P**=8 h. ℂ derived from ½ (M+*m*).
853 854	Nuwara Elija Trincomalee	Ceylon, Govt. Gazette, Suppl., 1921, and Blue Book, 1921.	**P,** 1912–24. **T, R,** 1908–24.	**P**=½ (9½+15½). ℂ derived from ½ (M+*m*).
855	Kuta Raja	..	**T,** 1875–1916. **R,** 1869–1916.	e Do. do.
856	Medan	Batavia, Regenw. in Nederlandsch-Indië, 1921, and MS. data.	**P,** 1871–1916. **T,** 1872–1916. **R,** 1870–1916. **P,** (1866–1911). **R,** 1879–1923.	Do. do. **P,** reduced to mean of 24 hrs.
857 858	Penang Singapore	..	**P,** (1866–1911). **R,** 1879–1923.	**P,** reduced to mean of 24 hrs. ℂ=mean of 24 hrs.
859 860	Sandakan	Straits Settlements, Meteor. Obs., 1921.	**P,** 1882–1916. **T,** 1882–1920. **R,** 1883–1917.	ade **P**=⅛ (9+15+21).
860	Iwahig	Straits Settlements, Meteor. Obs., 1921, and MS. data.	**P,** 1898–1916. **T,** 1898–1922. **R,** 1869–1920.	de **P**=⅛ (9+15+21).
861	Tagbilaran	MS. data at M.O.	**T, R,** 1879–95; 1904–20.	d ..
861*a*	Menado	Manila, Weather Bureau, Monthly Bull., 1921, and MS. data.	**P,** (1903–05; '08; '11–18).	**P**=½ (6+14). ℂ derived from these hours.
862	Surigao	Manila, Weather Bureau, Monthly Bull., 1921.	**P,** 15 yrs., 1902–18. ℂ, **R,** 15 yrs., 1903–18.	**P,** ℂ=⅛ (2+6+10+14+18+22).
863	Kolonie, Yap	See No. 855.	**P,** 1905–07; '09–16. **R,** 1879–1923.	**P,** reduced to mean of 24 hrs. ℂ= mean of 24 hrs.
		See No. 861.	**P,** 15 yrs., 1902–18. ℂ, 14 yrs., 1902–18. **R,** 1902–17.	**P,** ℂ=⅛ (2+6+10+14+18+22).
		See No. 860.	**P,** 1907–08; '10–20. ℂ, 1906–08; '10–20. **R,** 15 yrs., 1905–20.	Do. do.

Between Latitude 0° and 10° S. **ZONE 9.**

905 924	Malden Island Manaos	.. MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	.. ℂ, 1911–20. **R,** 1902–19.	.. h ℂ=¼ (7+21+M+*m*).
925 926 927 928 929	Taperinha Turyassu Barra do Corda Quixeramobim	Do. do. Do. do. Do. do. Do. do.	**P,** ℂ, 1914–23. **P,** ℂ, **R,** 1912–21. **P,** ℂ, **R,** 1912–21. **P,** ℂ, **R,** 1896–1919.	**P**=⅛ (7+14+21). ℂ=¼ (7+14+2×21). q Do. do. q Do. do. q **P**=½ (7+14+21). ℂ derived from ¼ (7+14+2×21).
930	Fernando Noronha	Do. do.	..	..

For notes *see* page 114.

ZONE 9—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
939	Loanda	Loanda, Resumo das Observações meteor. de Angola, Boletim Oficial, 1921.	**P,** 1879–97; 1900–09; '13–20. **T, R,** 1879–97; 1900–20.		**P, T**=mean of 24 hrs.
940	Brazzaville	MS. data supplied by l'Office National Météor., Paris.	**T,** 15 yrs., 1898; 1906–21. **R,** 15 yrs., 1898; 1906–10; 12–20.	cde	**P, T** (Oct., Yr.)= $\frac{1}{2}$ (9+16). Pressure appears too low by about 2 mb.
943	Masaka	MS. data at M.O.	**T,** 15 yrs., 1903–10; '13–23. R. 1902–20.	b	**T**=$\frac{1}{4}$ (7+14+2×21).
943*a*	Nairobi (Dept. Agric.)	MS. data supplied by Department of Agriculture, Nairobi.			
944	Nairobi (Kabete Farm)	MS. data supplied by Department of Agriculture, Nairobi.	**R,** 1908–22.	b	
944*a*	Zanzibar	Calcutta, India Weather Review, 1921, and MS. data.	**P, R,** see current data. **T,** 1892–1910.	a	**P**=8 h. **T** derived from $\frac{1}{2}$ (M+*m*).
945	Lamu	See No. 943*a*.	**T,** 1911–20. **R,** 20 yrs., 1894–99; 1906–20.	bd	
946					
947	Seychelles, Port Office	See No. 944*a*.	**P, T** (Jan. to July, Oct., Nov.), see current data. **T** (Aug., Sept., Dec., Yr.), 1915–24. **R,** 1891–1916.		(**P**, = $\frac{1}{2}$ (10+16) reduced to mean of 24 hrs. (**T** (Jan.-July, Oct., Nov.) derived from $\frac{1}{2}$ (M+*m*). (**T** (Aug., Sept., Dec., Yr.)=$\frac{1}{2}$ (10+16).
948					
957	Padang	Batavia, Regenw. in Nederlandsch-Indië, 1921, and MS. data.	**P,** (1866–1911). **R,** 1879–1923.		**P,** reduced to mean of 24 hrs.
958	Batavia	Batavia, Obs. R. Magn. and Meteor Obs., 1921 and Regenw. in Nederlandsch-Indië, 1921.	**P, T,** 1866–1923. **R,** 1864–1923.	e	**P, T**=mean of 24 hrs.
958*a*	Pontianak	See No. 957.	**P,** (1886–1915). **R,** 1879–1923.		**P,** reduced to mean of 24 hrs.
959	Pasuruan	Batavia, Regenw. in Nederlandsch-Indië, 1921.	**R,** 1879–1923.		
960	Kajoemas	Do. do.	**R,** 1887–1923.		
961					
962	Amboina	See No. 957.	**P,** (1866–1911). **R,** 1879–1923.		**P,** reduced to mean of 24 hrs.
963	Manokwari	See No. 959.	**R,** 1901–23.		
964					
965	Daru	Port Moresby, Papua Govt. Gazette, 1921-22.	**P,** 8 yrs., 1894–95; 1903–22. **T,** 1897–1915. **R,** 25 yrs., 1894–1922.	d	**P**=9 h.
966	Port Moresby	Do. do.	**P,** 24 yrs., 1891–95; 1902–22. **T,** 23 yrs., 1891–95; 1902–20. **R,** 28 yrs., 1891–1920.	d	**P**=9 h.
967					
968	Rendova				
969	Tulagi, Brit. Solomon Is.	MS. data at M.O.	**P, T,** 1907–21. **R,** 1898–1922.	e	**P**=9 h. **T** derived from $\frac{1}{2}$ (M+*m*).
970	Ocean Island	Do.	**P, T,** 15 yrs., 1905–20. **R,** 1905–19.	e	**P**=$\frac{1}{2}$ (8+20). **T** derived from $\frac{1}{2}$ (M+*m*).

ZONE 10. Table showing the Authorities for the Meteorology of the Globe between Latitude 10° S. and 20° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1002	Apia, Samoa	Wellington, Report for Apia Observatory, Samoa, 1921.	**P, R,** 1890–1923. **T,** 1890–1920.		**P, T**=mean of 24 hrs.
1003	Alofi, Niue Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**T,** 15 yrs., 1907–22. **R,** 15 yrs., 1905–21.	a	**T** derived from $\frac{1}{2}$ (M+*m*).
1021	Arequipa	MS. data supplied by Professor Pickering, Harvard College.	**T,** 31 yrs., 1888–1920. **R,** 15 yrs., 1888–95; 1900; '10–17.	q	**T** derived from $\frac{1}{2}$ (8+20).
1022	Puerto de Arica	Santiago, Publ. Inst. Meteor. de Chile, No. 33, Anuario, 1921.	**R,** 13 yrs., 1903–05; '11–22.		
1023					
1024	Sucre, Bolivia	Sucre, Boletin Mensual del Obs. Meteor, 1921.	**R,** 1883–1904; '10–19.		**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
1025	Corumba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P, R,** 1912–21. **T,** 10 yrs., 1913–27.	deq	**P**=$\frac{1}{2}$ (7+21).
1026	Cuyaba	Do. do.	**P, T, R,** 1901–19.	q	**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
1027	Bello Horizonte	Bello Horizonte, Sec. Agric. Minas Geraes, Serviço Meteor., Boletim Annual, 1921.	**P,** 15 yrs., 1910–26. **T,** 1910–21. **R,** 15 yrs., 1910–25.	e	**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
1028	Caetite	See No. 1025.	**P, R,** 15 yrs., 1909–26. **T,** 1912–21.	q	**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
1029	Ondina (Bahia)	Do.	**P,** 15 yrs., 1909–26. **T,** 1911–20. **R,** 26 yrs., 1880–1907; '09–19.	q	**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
1030	Aracaju				
1035	St. Helena	MS. data at M.O.	**P, R,** 1892–1920. **T,** 1892–1922.	eq	**P**=9 h. **T** derived from $\frac{1}{3}$ (9+M+H_b redetermined as 579 m.
1039	Mossamedes	Loanda, Resumo das Observações meteor. de Angola, Boletim Oficial, 1921.			**T**=$\frac{1}{4}$ (9+21+M+*m*).
1042	Gwelo	MS. data at M.O.	**P, T, R,** 1907–21.	ceq	**P**=8 h.
1043	Salisbury Gaol, Rhodesia	MS. data at M.O.	**P,** (Jan. to June, Yr.), 1903–21. **P,** (July to Dec.), **T,** 1897–1923. **R,** 1896–1923.	ceq	**P** (Jan. to June, Yr.)=9 h. **P** (July to Dec.)=mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*). Pressure values July–Dec. refer to Agric. Dept. (H_b 1468m.)
1044	Zomba	Nyasaland Govt. Gazette, 1921.	**P,** 1908–26. **T, R,** 1892–1926.	e	**P**=$\frac{1}{2}$ (9+21). **T** derived from these hours.
1045	Antananarivo	MS. data supplied by l'Office National Météor., Paris.	**P, T,** 1889–1923. **R,** 1890–1923.	ceq	**P**=$\frac{1}{3}$ (7+13+18). **T** derived from these hours.
1055	Cocos Keeling Is.	MS. data supplied by Meteor. Bureau, Melbourne.	**P, T,** 1905–20. **R,** 1904–20.	d	**P**=$\frac{1}{2}$ (9+15).
1057	Christmas Island	MS. data.	**P, T, R,** 1902–22.	e	**P**=$\frac{1}{2}$ (9+21). **T**=$\frac{1}{4}$ (9+21+M+*m*).
1061	Kupang	Batavia, Regenw. in Nederlandsch-Indië, 1921 and MS. data.	**P,** (1866–1911). **R,** 1879–1923.		**P,** reduced to mean of 24 hrs. **T**=mean of 24 hrs.
1061*a*	Derby	See No. 1055.	**P, T,** 1897–1919. **R,** 1886–1920.		**P**=$\frac{1}{2}$ (9+15).
1062	Hall's Creek	Do.	**P,** 1901–19. **T,** 1899–1919. **R,** 1891–1919		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1063	Darwin	Do.	**P, T,** 1882–1924. **R,** 1870–1924.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1064	Daly Waters	Do.	**P,** 1881–1919. **T,** 1886–1920. **R,** 1873–1919.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1065	Mein	Do.	**P,** 1906–20. **T,** 1907–19. **R,** 1888–1919.	cd	**P**=$\frac{1}{2}$ (9+15).
1066	Georgetown, Queensland	Do.	**P,** 1910–19. **T,** 1907–19. **R,** 1872–1919.	c	**P**=$\frac{1}{2}$ (9+15).
1066*a*	Willis Island	Do.		d	**P**=$\frac{1}{2}$ (9+15).
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1921-22.	**P,** 15 yrs., 1904–24. **T,** (Feb. to Apr.), 17 yrs., 1904–24. **T,** (May to Oct.), 15 yrs., 1904–23. **R,** 15 yrs., 1891–92; 1904–20.		**P, T** (Feb. to Apr.)=9 h. **T** (May to Oct.) derived from $\frac{1}{2}$ (M+*m*).
1072	Suva, Fiji	MS. data at M.O.	**P, T, R,** 1886–1920.	c	**P**=9 h. **T** derived from $\frac{1}{2}$ (M+*m*).

For notes *see* page 114.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S. ZONE 11.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1105	Rarotonga, Avarua	MS. data supplied by Meteor. Office, Wellington, N.Z.	**T,** 1899–1914. **R,** 1899–1915.	a	**T** derived from $\frac{1}{2}$ (M+*m*).
1121	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 33, Anuario, 1921.	**P,** 25 yrs., 1870–1920. **T,** 1899–1908; '10–24. **R,** 1900–24.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1122	Iquique	Do. do.	**P,** 17 yrs., 1886; '99–1917. **T,** 1900–24. **R,** 19 yrs., 1886; '99–1918.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1123	Catamarca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1921, and Washington, Smiths. Inst., Misc. Coll., 79, 1927.	**P,** 1901–24. **T,** 1904–24. **R,** 1881–1900; '03–14; '16–19.	e	**P, T**=mean of 24 hrs.
1124	Salta				
1125	Goya	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1921.	**P,** 1882–1907; '16–20. **T,** 1882–1913; '16–19. **R,** 1873–1913; '16–19.	q	**P, T**=mean of 24 hrs.
1126	Asuncion	Do. do.	**P,** 1876–1900; '14; '16–19. **T, R,** 1877–1914; '16–19.	e	**P, T**=mean of 24 hrs.
1127	Curityba	MS. data supplied by Director, Oficina Meteor., Argentina.	**P,** 28 yrs., 1893–1924. **T, R,** 20 yrs.	e	**P, T**=mean of 24 hrs.
1128	Rio de Janeiro	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P,** 38 yrs., 1885–1924. **T,** 1884–1910. **R,** 25 yrs., 1884–1910.	q	**P**=$\frac{1}{3}$ (7+14+21). **T**=$\frac{1}{4}$ (7+14+2×21).
1139	Windhoek	Do. do.	**P, T,** 1890–1923. **R,** 1851–1920.	q	**P, T**=mean of 24 hrs.
1140					**T** derived from $\frac{1}{2}$ (M+*m*).
1141	Kimberley	MS. data supplied by Chief Meteorologist, Pretoria.	**T,** 13 yrs., 1901–05; '11–21. **R,** 25 yrs.		
1141*a*	Johannesburg	MS. data supplied by Dr. J. R. Sutton.	**P,** 1895–1923. **T,** 1897–1923. **R,** 1894–1923.	ceq	**P**=$\frac{1}{3}$ (8+14+20). **T**=mean of 24 hrs.
1142	Pretoria (Brooklyn)	London, Meteor. Mag., 1921–22.	**P, T,** 1904–24. **R,** 1888–1924.	eq	**P,** reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
1142*a*	Bulawayo	See No. 1139.	**P,** 15 yrs., 1903–18. **T,** 1903–17. **R,** 15 yrs.	ceq	**P**=8½ h. **T** derived from $\frac{1}{2}$ (M+*m*).
1143	Durban	MS. data at M.O.	**P, T,** 1897–1923. **R,** 1896–1924.	ceq	**P**=8 h. **T** derived from $\frac{1}{2}$ (M+*m*).
1144	Lourenço Marques	See No. 1139.	**P,** 1884–1920. **T,** 1885–1920. **R,** 1873–1920.	ce	**P**=8½ h. **T** derived from $\frac{1}{2}$ (M+*m*).
1147	Mauritius	Lourenço Marques, Relatorio do Observatorio Campos Rodrigues, 1921.	**P, T, R,** 15 yrs.		**P, T**=mean of 24 hrs.
1159	Onslow	Mauritius, Results of Meteor. obs., 1921, at Royal Alfred Obs.	**P, T, R,** 1861–1919.	e	**P, T**=mean of 24 hrs.
1160	Peak Hill	MS. data supplied by Meteor. Bureau, Melbourne.	**P, T,** 1897–1919. **R,** 1886–1920.		**P**=$\frac{1}{2}$ (9+15).
1161	Nullagine	Do. do.	**P, T,** 1899–1919. **R,** 1898–1919.		**P**=$\frac{1}{2}$ (9+15).
1162	Laverton	Do. do.	**P,** 1900–19. **T,** 1899–1919. **R,** 1898–1919.		**P**=$\frac{1}{2}$ (9+15).
1163	Alice Springs	Do. do.	**P, T,** 1901–19. **R,** 1900–19.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1164	William Creek	Do. do.	**P,** 1885–1923. **T,** 1879–1924. **R,** 1873–1924.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1164*a*	Boulia	Do. do.	**P,** 1889–1919. **T,** 1889–1918. **R,** 1874–1919.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1165	Thargomindah	Do. do.	**P,** 1900–19. **T,** 1898–1919. **R,** 1887–1919.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1166	Mitchell	Do. do.	**P, T,** 1910–24. **R,** 1879–1924.	c	**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1167	Rockhampton	Do. do.	**T,** 1907–19. **R,** 1884–1919.	c	**P**=$\frac{1}{2}$ (9+15).
1168	Brisbane	Do. do.	**P,** 1889–1919. **T,** 1898–1919. **R,** 1887–1919.	cd	**P**=$\frac{1}{2}$ (9+15).
1169		Do. do.	**P, T,** 1887–1924. **R,** 1840–50; '60–1924.	c	**P**=mean of 24 hrs. **T**=$\frac{1}{4}$ (9+15+21+*m*).
1170	Norfolk Island	Do. do.	**P,** 1908–11; '15–22. **T,** 1879; '81–Feb., '84; 1915–22. **R,** 1887–1912; '15–22.	d	**P**=9 h.

Between Latitude 30° S. and 40° S. ZONE 12.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1221	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 33, Anuario, 1921.	**P,** 12 yrs., 1901–14. **T,** 1911–22. **R,** 17 yrs., 1902–07; '09; '11–22.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1221*a*	Punta Tumbes	Do. do.	**P, T, R,** 1901–17.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1222	Punta Angeles, Valparaiso	Do. do.	**P,** 1869–72; '83–86; '99–1918. **T,** 1899–1908; '11–18. **R,** 1869–74; '99–1918.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1222*a*	Santiago	Do. do.	**P,** 1861–1908; '10–16. **T,** 1861–1914. **R,** 1867–1915.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1223	Cordoba	Cordoba, Oficina Meteor. Nacion., Sinopsis del Tiempo, 1922–24.	**P,** 1872–1922. **T, R,** 1873–1922.	e	**P, T**=mean of 24 hrs.
1224	Bahia Blanca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1921.	**P,** 1875–1900; '10–14; '16–19. **T, R,** 1860–83; '96–1914; '16–19.		**P, T**=mean of 24 hrs.
1225	Buenos Ayres (Chacarita)	Do. do.	**P,** 1858–1914; '16–19. **T, R,** 1861–1914; '16–19.		**P, T**=mean of 24 hrs.
1226	Montevideo (Obs. Central)	Montevideo, Instituto Meteor. Nacional, Datos, 1921, and MS. data.	**P, T, R,** 1906–15; '18–22.		**P**=$\frac{1}{3}$ (7+14+21). **T** derived from (7, 14, 21, M, *m*).
1226*a*	Porto Alegre	MS. data supplied by Director, Inst. Astr. e. Meteor., Rio Grande do Sul.	**P, T, R,** 10 yrs., 1910–22.	e	**P, T**=mean of 24 hrs.
1239	Cape Town	London, Meteor. Mag., 1921–22.	**P, R,** 1841–1924. **T,** 1857–1924.		**P,** reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
1240	Danger Point				
1241	Riversdale	MS. data supplied by Chief Meteorologist, Pretoria.	**R,** 25 yrs.	ce	**P**=8½ h.
1242	East London	Do. do.	**R,** 49 yrs.	ce	**P**=8½ h.
1259	Perth (Observatory)	Do. do.	**P,** 1870–1904. **T,** 1881–1906; '10–19. **R,** 35 yrs., 1877–1914.	ce	**P**=8½ h.
1260	Katanning	MS. data supplied by Meteor. Bureau, Melbourne.	**P,** 1885–1921. **T,** 1897–1921. **R,** 1876–1921.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
1261	Coolgardie	Do. do.	**P, T,** 1897–1919. **R,** 1892–1919.		**P**=$\frac{1}{2}$ (9+15).
1262	Eucla	Do. do.	**P, T,** 1897–1919. **R,** 1893–1919.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).
		Do. do.	**P,** 1879–1918. **T,** 1878–1919. **R,** 1876–1919.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{2}$ (M+*m*).

(66167)

For notes *see* page 114.

ZONE 12—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1263	Streaky Bay	MS. data supplied by Meteor. Bureau, Melbourne.	**P,** 1890–1919. **T,** 1891–1919. **R,** 1878–1919.		**P**=½ (9+15). 𝕋 derived from ½ (M+*m*).
1264	Adelaide	Do. do.	**P,** 1857–1918. **T,** 1856–1924. **R,** 1839–1924.		**P,** 𝕋=mean of 24 hrs.
1265	Melbourne	Do. do.	**P,** 1858–1919. **T, R,** 1856–1919.		**P**=mean of 24 hrs. 𝕋 derived from ½ (M+*m*).
1266	Bourke	Do. do.	**P,** 1907–24. **T,** 1874–1918. **R,** 1873–1919.	c	**P**=9 h.
1267	Sydney	Do. do.	**P, T,** 1859–1924. **R,** 1840–1924.	c	**P**=mean of 24 hrs. 𝕋=¼ (9+15+21+*m*).
1268	Lord Howe Island	Do. do.	**P,** 1914–23. **T,** 1913–21; '23. **R,** 1897–1912; '15–19.	c	**P**=9 h.
1271	Auckland	Wellington, Statistics of New Zealand, Meteor., 1921.	**T,** 1864–1923. **R,** 1853–1923.	a	**P**=9 h.
1272	Napier	Do. do.	**P,** 1867–80; 1905–15. **T,** 31 yrs. **R,** 18 yrs.	a	**P**=9h.

ZONE 13. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50° S.

1301	Chatham Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**R,** 25 yrs., 1879–81; '94–1919.		**P**=9 h.
1321	Isla Guafo	Santiago, Publ. Inst. Meteor. de Chile, No. 33, Anuario, 1921.	**P, R,** 1908–22. 𝕋, 1911–20.	e	**P**=⅓ (7+14+21). 𝕋 derived from ¼ (7+14+2×21).
1322	Punta Galera	Do. do.	**P,** 1899–1908; '10–18. **T, R,** 1899–1918.	e	Do. do.
1323	Sarmiento	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1921.	𝕋, 1903–07; '16–20. **R,** 1901–20.		**P,** 𝕋=mean of 24 hrs.
1324	Punta Madryn	Do. do.	𝕋, **R,** 1903–13; '16–19.		**P,** 𝕋=mean of 24 hrs.
1365	Launceston	MS. data supplied by Meteor. Bureau, Melbourne.	**P,** 1905–19. **T,** 1891–1918. **R,** 1886–1920.		**P**=½ (9+15). 𝕋 derived from ½ (M+*m*).
1366	Hobart	Do. do.	**P,** 1885–1919. **T,** 1871–1919. **R,** 1841–79; '82–1919.		**P**=½ (9+15). 𝕋 derived from ½ (M+*m*).
1370	Invercargill	Wellington, Statistics of New Zealand, Meteor., 1921.	**T,** 11 yrs. **R,** 27 yrs.	a	..
1371	Dunedin	Do. do.	**P, T,** 1864–1923. **R,** 67 yrs.	a	**P**=9 h.
1371*a*	Christchurch	Do. do.	**P,** 1905–23. **T,** 1864–80; 1905–23. **R,** 1864–80; '94–1923.	a	**P**=9½ h.
1372	Wellington	Wellington, New Zealand Govt. Gazette, 1921–22.	**P, T,** 1864–1923. **R,** 1862–1923.		**P**=9 h.

ZONE 14. Between Latitude 50° S. and 60° S.

1421	Islota de los Evangelistas	Santiago, Publ. Inst. Meteor. de Chile, No. 33, Anuario, 1921.	**P,** 1899–1908; '10–18. 𝕋, **R,** 1899–1918.	e	**P**=⅓ (7+14+21). 𝕋 derived from ¼ (7+14+2×21).
1422	Puerto de Punta Arenas	Do. do.	**P,** 1889–1924. 𝕋, **R,** 1888–1924.	e	Do. do.
1423	Punta Dungeness	Do. do.	**P,** 1900–08; '10–18. 𝕋, 1900–18. **R,** 1903–18.	e	Do. do.
1424	Santa Cruz	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1921.	**P,** 1903–07; '16–19. 𝕋, **R,** 1905–13; '16–19.		**P,** 𝕋=mean of 24 hrs.
1424*a*	Año Nuevo	MS. data supplied by Ministerio de Marina, Buenos Ayres.	**P,** 𝕋, 19 yrs., 1886–95; 1902–05; '14–21. **R,** 1902–05; '14–21.	e	**P**=⅛ (8+14+20). 𝕋 derived from three hours.
1425	Stanley, Falkland Is.	..	..		..
1426	Cape Pembroke	MS. data at M.O.	**P,** 𝕋, 1895–1920.	e	**P,** 𝕋=⅛ (4+8+12+16+20+24). rain-gauge.
1429	S. Georgia (Cumberland Bay)	MS. data at M.O.	**P, R,** 1906–18. **T,** 1905–18.	e	**P**=⅛ (8+14+20). 𝕋 derived from three hours.

ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	MS. data supplied by Oficina Meteor. Nacion., Buenos Ayres.	**P,** 𝕋, 1903–23. **R,** 17–18 yrs., 1904–23.	e	**P,** 𝕋=mean of 24 hrs.

NOTES.

a. Maximum thermometer read at hour of morning observation and entered to day of reading.

b. Maximum and minimum temperatures from whole degrees Fahrenheit.

c. International Zone Time.

d. 𝕋 derived from table on page 115.

e. M.S.L. reduction applied in M.O.

f. At Cairo, mean temperatures obtained by this formula are 0.7*a* too low.

g. At Khartoum, mean temperatures obtained by this formula are 1.0*a* too low.

h. At Quixeramobim, mean temperatures obtained by this formula are 0.6*a* too low.

k. Absolute maximum taken from observations at fixed hours.

l. Absolute minimum taken from observations at fixed hours.

n. 75th W. meridian time.

o. 7½ E. meridian time.

q. Pressure differences from normal refer to station level values.

r. 105th W. meridian time.

Normals for which the period is enclosed in brackets have been computed by comparison with neighbouring stations.

The statement that 𝕋 is derived from a certain combination means that a correction has been applied to the values given by this combination to obtain the approximate true mean temperature.

Daily Observations of Wind within the Tropics.—The information is extracted from MS. data at M.O.

REDUCTION TO TRUE MEAN TEMPERATURE.

The following references give the more important authorities for the corrections which have been applied to reduce the temperatures, either means of observations at fixed hours or means of maxima and minima, to true mean.

General.—Brooks, C. E. P. True mean temperature. Washington, Monthly Weather Rev., 49, 1921, p. 226.

Greenland, Iceland.—Copenhagen, Institut Météor., Moyennes et extrêmes météor. . . . des Iles Féroë, de l'Islande et du Groënland. Copenhagen, 1899.

Norway.—Kristiania, Jahrb. d. Norweg. Meteor. Instituts.

Denmark.—Jantzen, Willaume, Meteorologiske Observationer i Kjöbenhavn. Copenhagen, 1896.

Sweden.—Ekholm, N., Calcul de la température moyenne mensuelle de l'air aux stations météor. suédoises. Uppsala, 1916.

Russia.—Wild, H., Die Temperatur-Verhältnisse des Russischen Reiches. 3 vols. St. Petersburg, 1881.

Canada.—Prepared in M.O.

U.S.A.—Washington, U.S. Dept. Agric., Weather Bureau, Bulletin S. By F. H. Bigelow, 1909.

Portugal (Lisbon).—J. d'Almeida Lima, O clima de Portugal Continental. Lisbon, 1922.

Italy.—Eredia, F., Il clima di Roma. Rome, 1911.

Greece (Athens).—Athens, Observatoire National, Annales.

Africa.—Brooks, C. E. P. The Reduction of Temperature Observations to Mean of 24 Hours, and the Elucidation of the Diurnal Variation, in the Continent of Africa. London, Q.J.R. Meteor. Soc., 43, 1917, p. 375.

Egypt and Sudan.—Supplied by Physical Department, Cairo.

India.—Calcutta, Meteorological Office, Indian Meteorological Memoirs, vol. xvii. Calcutta, 1904.

Tropics.—Hann, J. von, Die tägliche Gang der Temperatur in der inneren Tropenzone; Die tägliche Gang der Temperatur in der äusseren Tropenzone. 3 vols. Vienna, 1905, 1906, 1907.

South America.—Supplied by Mr. R. C. Mossman.

South Georgia.—Internationale Polarforschung, 1882–3. Die Beobachtungs-Ergebnisse der Deutschen Stationen; Süd-Georgien. Berlin, 1886.

The following table gives approximate corrections for the limits 30° N. to 30° S. to reduce ½ (M+*m*) to true mean temperature (𝕋), taking into consideration the height and the daily range (M−*m*). It can be applied in cases where no other correction is available, and has been so used in the tables in this issue.

Daily Range	Height in Metres. 0	500	1000	1500	2000	2500	3000	3500
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
4	— ·35	— ·42	— ·49	— ·56	— ·63	— ·70	— ·77	— ·84
6	— ·42	— ·50	— ·58	— ·66	— ·74	— ·82	— ·90	— ·98
8	— ·52	— ·59	— ·65	— ·72	— ·78	— ·85	— ·91	— ·98
10	— ·64	— ·67	— ·70	— ·73	— ·76	— ·79	— ·82	— ·85
12	— ·79	— ·76	— ·73	— ·70	— ·67	— ·64	— ·61	— ·58
14	— ·97	— ·85	— ·73	— ·61	— ·49	— ·37	— ·25	— ·13

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